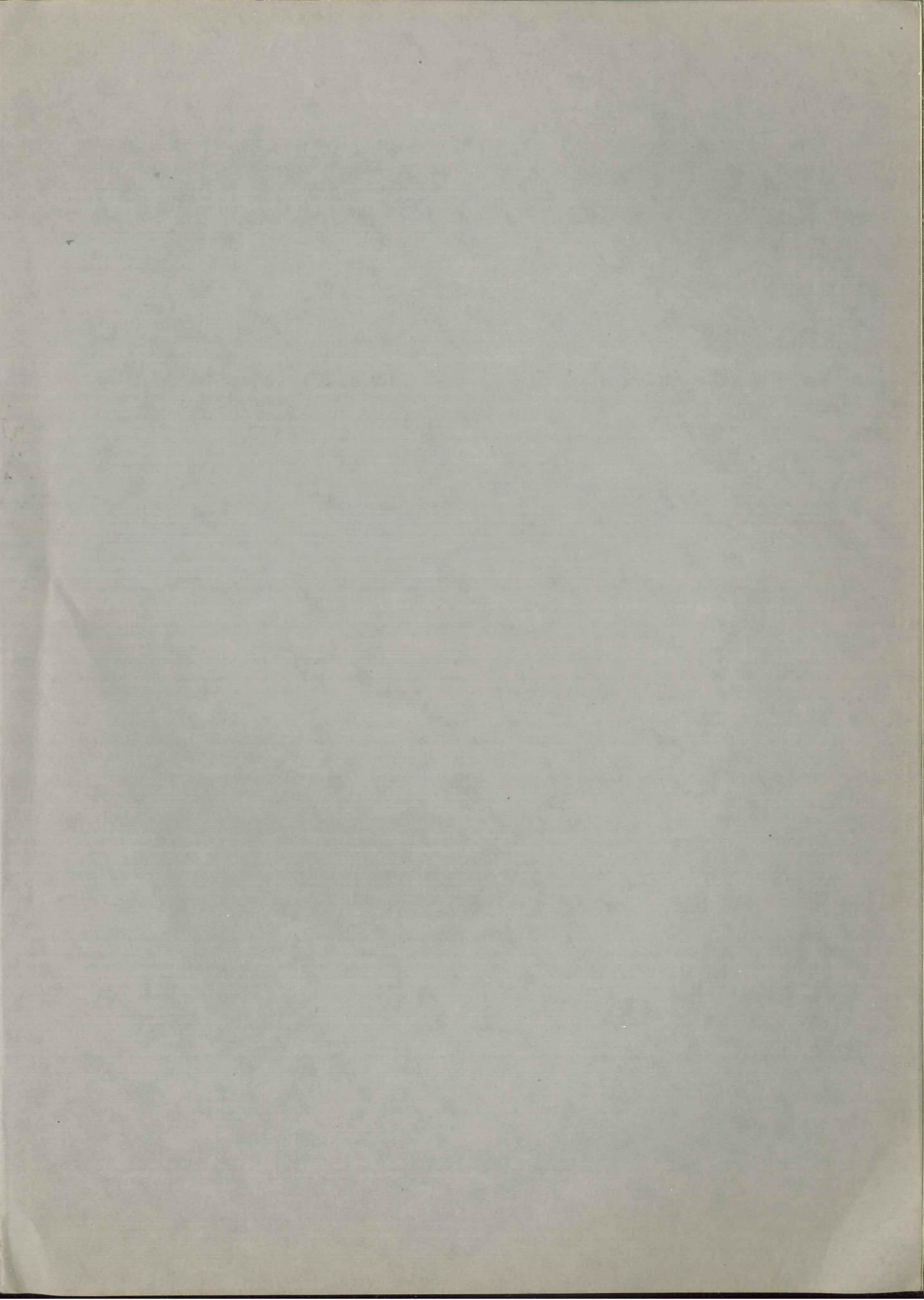


Barnes











# The Symbol of Service



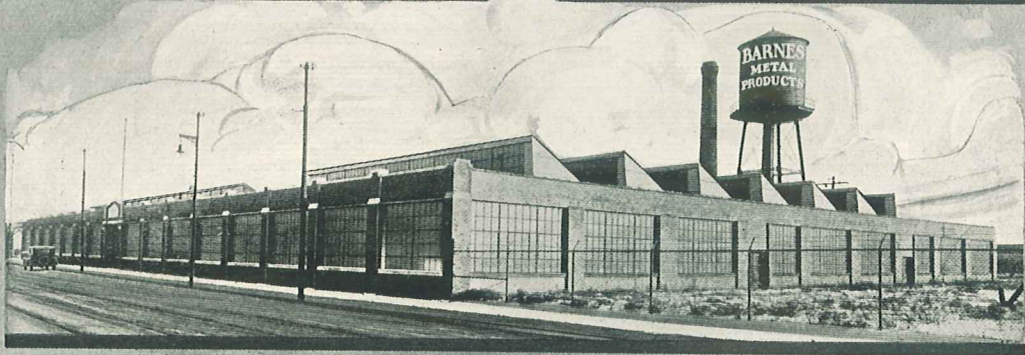
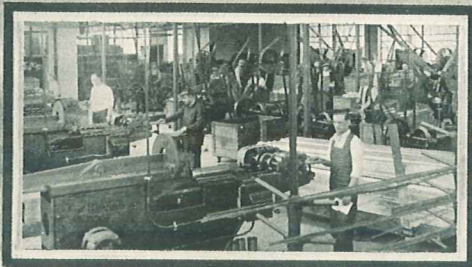
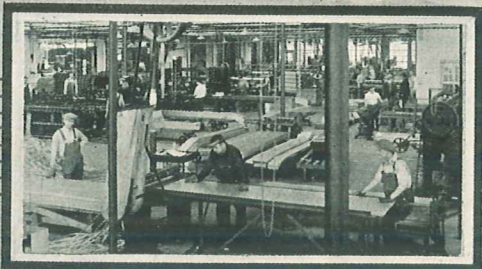
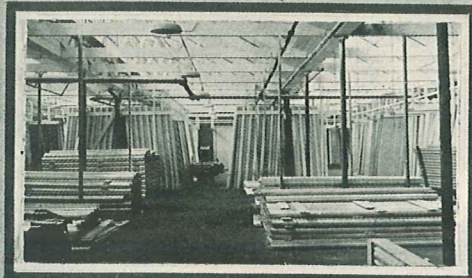
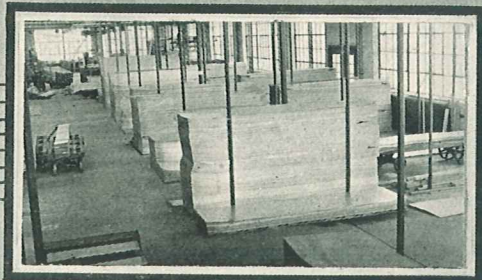
Barnes

*Where quality counts, Barnes is First Choice*

The Barnes Jobber  
is the  
Progressive Distributor  
in Every Community



# THE PLANT BEHIND BARNES PROGRESS



**T**HIS is the home of Barnes Products, in which is housed the specially constructed equipment that insures a continuous uniformity of Barnes quality.

The unusual merit that characterizes Barnes Products is the result of a dominating spirit of "UNDENIED PROGRESS." Because of this unquestioned leadership, "As Good as Barnes" is a common expression in the trade. To serve you successfully and better than you were ever served before, is our constant aim and ambition. On this basis of a square deal for all, we invite your business.

**BARNES METAL PRODUCTS COMPANY, 4425 W. 16th St., Chicago, Illinois**  
MANUFACTURERS OF CONDUCTOR PIPE, ELBOWS, EAVES-TROUGH AND FITTINGS.  
ALL SIZES, ALL METALS



# BARNES METAL PRODUCTS COMPANY

MANUFACTURERS OF

CONDUCTOR PIPE-ELBOWS  
EAVES TROUGH AND FITTINGS  
ALL SIZES — ALL METALS

4425 W. SIXTEENTH STREET

CHICAGO

October 1st, 1931

## THE ACME OF PERFECTION

A quarter century of experience, research and development work, at a cost of thousands of dollars, has crystallized into the Wonder Automatic Machinery used exclusively in the Barnes Modern Daylight Plant for the fabrication of the Barnes complete line of sheet metal products.

Those whose privilege it has been to view the Barnes equipment in operation have been astounded with the volume and quality of work produced and the continuous uniformity.

In appearance, the mark of perfection is in evidence. No effort or expense has been spared to live up to the well known "Barnes Quality". The embodiment of every desirable feature in sheet metal products was the thought kept in mind by our engineers so that the Barnes offering of Conductor Pipe, Elbows, Eaves-Trough, Mitres and Roof Trimmings is an outstanding achievement in engineering and fabricating skill.

So that useful data relative to list prices, shipping weights and quantities of unit packing may be had, Barnes takes great pleasure in presenting this catalog to you. The many exclusive features of merit built into each item is sectionally described in the following pages.

Discriminating buyers desiring prompt and careful attention to their requirements find Barnes-Much-Talked-of-Service supreme. Ask any Barnes distributor.

The Barnes products are builders of confidence, prestige and better business.

Yours for Undenied Progress,

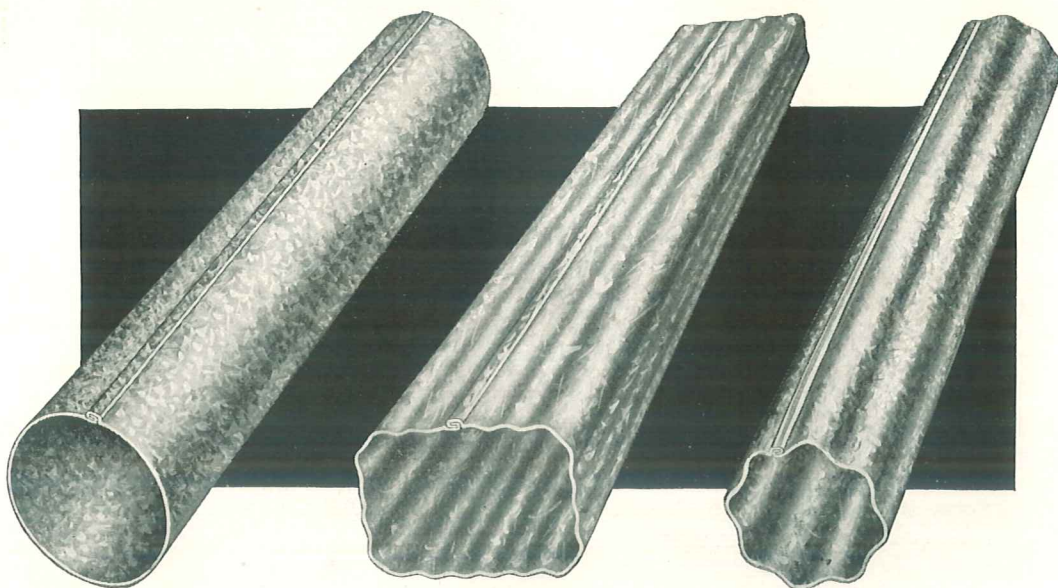
*E. J. Barnes*

President.

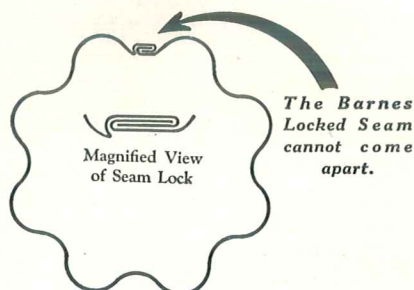


# **{Barnes}**

## **Barnes Locked-Seam Conductor Pipe**



*Each 10-foot  
length is the true  
Reflection of Efficiency*



The superiority of Barnes Conductor Pipe is instantly apparent. This pipe features a special locking process which insures *tight, closed seams*. Made from tight coated, full weight prime sheets, each length is carefully formed, absolutely straight, accurately fitting, true to gauge and size with strength distributed throughout.

Each length is carefully inspected before placed in stock. Patented Automatic Pipe Machinery built under Barnes supervision and used exclusively by Barnes insures a continued quality, service and uniformity.

Barnes Double Locked Seam Conductor Pipe may be had in Galvanized Steel, Galvanized Armco, Gohi or Toncan Metal, Galvanized Copper-bearing Steel, Zinc or pure 16 Ounce Copper.

If you want a quality pipe either plain round, round corrugated or square corrugated insist on Barnes.

# Barnes

## Conductor Pipe

All Sizes Made in 10-foot Lengths

List Prices Per Linear Foot

Plain Round—Corrugated Round

Corrugated Square

Made from Galvanized Steel, Armco, Gohi, Toncan and Galv.

Copper-bearing Steel.

Size, Inches	2	3	4	5	6	Size, Inches	2	3	4	5
29 Gauge.....	17¢	19¢	26¢	37¢	46¢	Actual Size....	1 3/4x2 1/4	2 3/8x3 1/4	2 3/4x4 1/4	3 3/4x5
28 Gauge.....	18¢	20¢	28¢	39¢	50¢	29 Gauge.....	22¢	23¢	30¢	40¢
26 Gauge.....	23¢	24¢	34¢	46¢	58¢	28 Gauge.....	23¢	24¢	31¢	42¢
24 Gauge.....	33¢	34¢	46¢	60¢	72¢	26 Gauge.....	29¢	30¢	38¢	50¢
						24 Gauge.....	40¢	50¢	60¢	65¢

### Made from Cold Rolled Copper

Size, Inches	2	3	4	5	6	Size, Inches	2	3	4	5
14 Ounce.....	27¢	33¢	47¢	63¢	80¢	14 Ounce.....	28¢	37¢	49¢	65¢
16 Ounce.....	30¢	36¢	51¢	69¢	90¢	16 Ounce.....	31¢	40¢	53¢	75¢

### Made from No. 11 Zinc (.024 Inch Thickness)

Size, Inches	2	3	4	5	6	Size, Inches	2	3	4	5
	30¢	36¢	51¢	69¢	90¢		31¢	40¢	53¢	75¢

## Weight Per 1000 Ft. Conductor Pipe

### Plain Round

Size	No. 29	No. 28	No. 26	No. 24	No. 11 Zinc	14 Oz. Copper	16 Oz. Copper
2"	416	452	524	681	521	507	579
3"	596	647	751	964	746	726	829
4"	794	863	1001	1277	994	976	1105
5"	985	1071	1242	1584	1233	1198	1370
6"	1165	1262	1464	1873	1458	1413	1615

### Corrugated Round

Size	No. 29	No. 28	No. 26	No. 24	No. 11 Zinc	14 Oz. Copper	16 Oz. Copper
2"	491	534	619	801	615	598	683
3"	596	647	751	964	746	726	829
4"	794	863	1001	1283	994	976	1105
5"	974	1058	1227	1572	1224	1186	1355
6"	1161	1262	1468	1873	1458	1413	1615

### Corrugated Square

Size	No. 29	No. 28	No. 26	No. 24	No. 11 Zinc	14 Oz. Copper	16 Oz. Copper
2"	502	546	633	819	628	611	698
3"	629	684	794	1018	788	766	875
4"	830	902	1045	1337	1038	1010	1154
5"	1030	1119	1298	1662	1290	1254	1433

NOTE:—The crates for each 1000 feet of Conductor Pipe weigh 100 lbs. on the average.



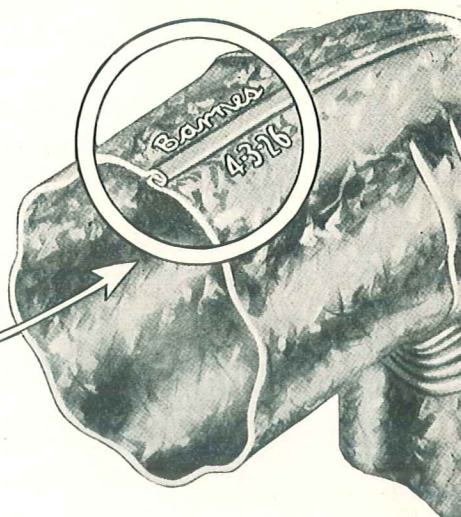
# == { Barnes } ==

## Barnes Conductor Pipe One Piece Elbows

### Perfect Form and Fit

As the hardest wear is in the back of the elbow, caused by the abrasive action of water striking at this point, Barnes purposely designed Elbows and Shoes with an *exclusive* feature consisting of a double lock seam and placed it in this outside position.

By using additional metal for this double lock-seam, Barnes Elbows and Shoes offer greater strength. This process eliminates the usual thinning out of stock as is the ordinary practice to draw together for seaming.



*Every Barnes Elbow is backed by an unconditional guarantee*

This process is fully covered with patents, likewise the battery of special Barnes Built Automatic Machines used only for the fabrication of Barnes Elbows and Shoes.

71½ degree crimps, or about twice the usual number placed in elbows insure each Barnes Elbow of being true to angle. Long taper guarantees firm, tight fit with standard diameters of conductor pipe. No solder required to hold Barnes Elbows in position.

These products are each fabricated from Terne Plate and Galvanized after forming. May also be had in Armco, Gohi, or Toncan, Copper Bearing Terne, No. 11 Zinc or 16 ounce pure Copper.

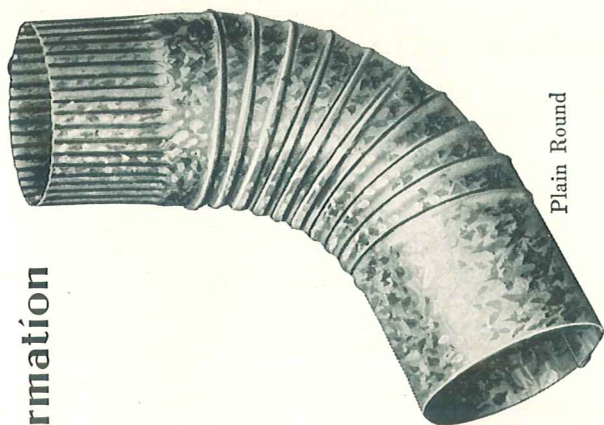
Each Barnes Elbow and Shoe bears the embossed Barnes trade mark, as well as the Gauge, Size and the number of the angle. This is so important for the man that uses them.

If you want the best Elbow made, the truest to angle, the best fit, full weight, specify the Barnes Super Elbow for the embossed trade mark guarantees real workmanship and material.

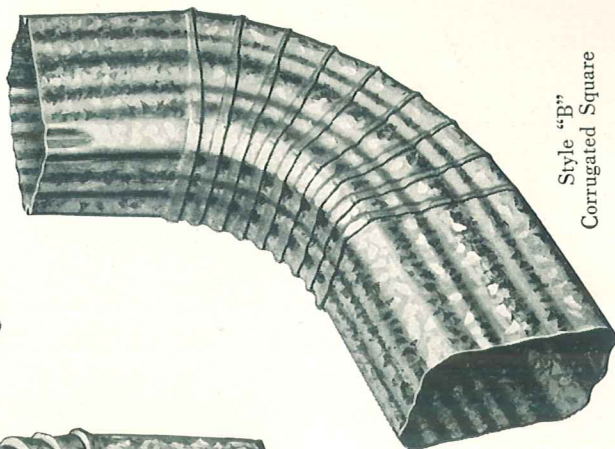
All Barnes elbows packed in our special corrugated paper cartons. All cartons marked showing quantity, size, gauge and style. Gives protection against damage and soiled appearance. Order in carton lots.



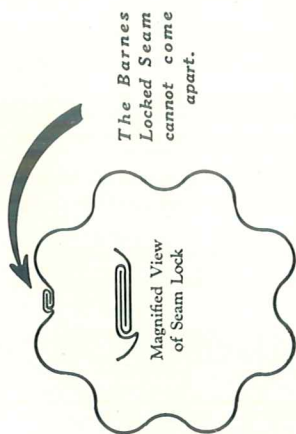
# Barnes Elbows and Shoes are Galvanized After Formation



Plain Round

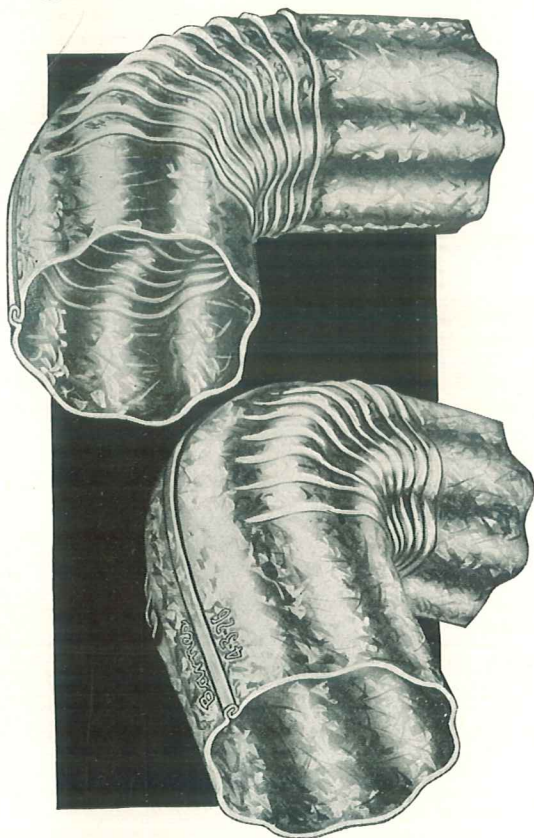


Style "B"  
Corrugated Square



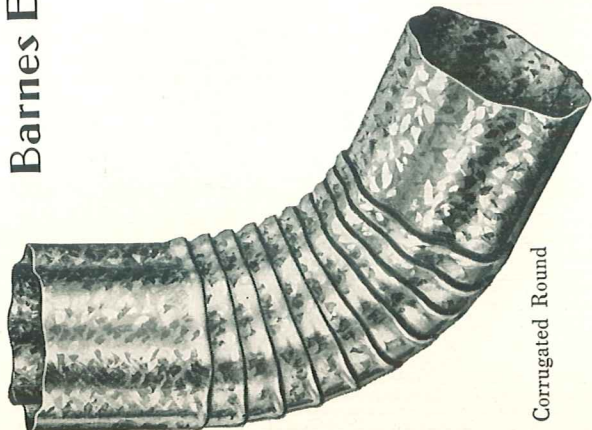
The Barnes  
Locked Seam  
cannot come  
apart.

Magnified View  
of Seam Lock

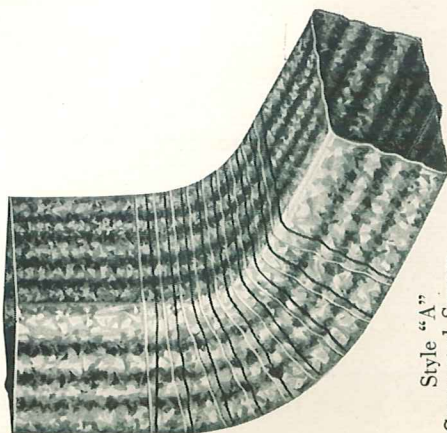


*Stand on one and test its strength*

The Barnes locked seam as used in Barnes Elbows and Conductor cannot come apart. It is an exclusive Barnes feature and being on the outside curve of the Elbow, it insures greatest strength and rigidity.



Corrugated Round

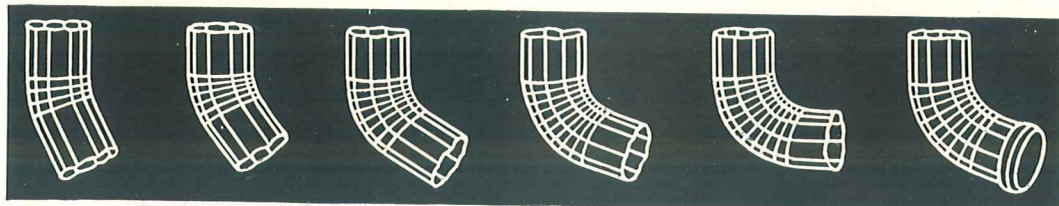


Style "A"  
Corrugated Square

# [Barnes]

## The Barnes Super Elbows and Shoes

Are manufactured in 28, 26 and 24 gauges and in any desired angle



No. 0-30°

No. 1-45°

No. 2-60°

No. 3-75°

No. 4-90°

SHOE 75°

### List Prices Per Dozen

State size, gauge, angle and metal wanted

Plain Round and Corrugated Round						Square Corrugated Styles A and B			
Size, Inches	2	3	4	5	6	2	3	4	5
Galvanized Steel or Coppered Metal Elbows	\$ 3.60	\$ 4.32	\$ 7.20	\$15.00	\$18.00	\$ 4.80	\$ 6.00	\$ 7.80	\$12.00
Galvanized Steel or Coppered Metal Shoes	4.80	5.76	9.00	18.00	21.60	6.00	7.20	9.60	15.00
Galvanized Armco, Gohi or Toncan Elbows	4.80	5.76	9.00	17.40	21.00	7.20	8.40	10.80	16.20
Galvanized Armco, Gohi or Toncan Shoes	6.00	7.20	10.80	19.80	24.00	9.00	10.20	13.20	19.20
14 Ounce Copper Elbows	8.40	10.80	16.20	24.00	34.20	10.20	13.20	19.20	28.80
14 Ounce Copper Shoes	9.00	12.00	18.00	27.00	37.80	10.80	14.40	21.60	33.00
16 Ounce Copper Elbows	9.00	12.00	18.00	27.00	37.80	10.80	14.40	21.60	33.00
16 Ounce Copper Shoes	10.20	13.20	19.80	30.00	42.00	12.00	16.20	24.00	36.00
No. 11 Zinc Elbows	9.00	12.00	18.00	27.00	37.80	10.80	14.40	21.60	33.00
No. 11 Zinc Shoes	10.20	13.20	19.80	30.00	42.00	12.00	16.20	24.00	36.00

No. 3 Elbows always furnished when angle is not specified

### Number of Elbows or Shoes Packed in a Carton

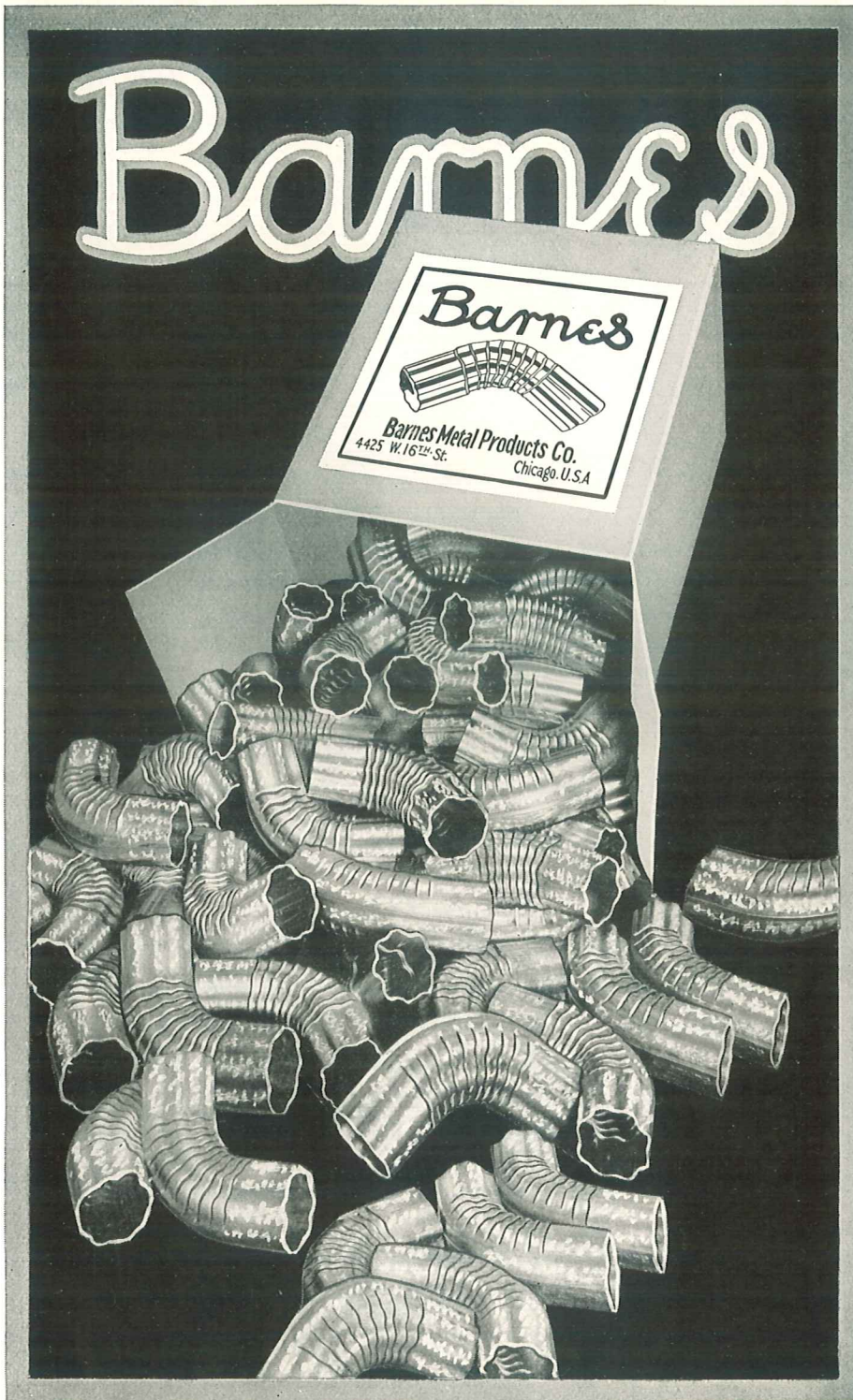
Size	Angle	Plain Round Per Carton	Carton Weight		Round Corr. Per Carton	Carton Weight		"A" Square Corr. Per Carton	Carton Weight		"B" Square Corr. Per Carton	Carton Weight	
			No. 28	No. 26		No. 28	No. 26		No. 28	No. 26		No. 28	No. 26
2"	No. 1	234	75 lbs	82 lbs	144	52 lbs	71 lbs	230	63 lbs	79 lbs	180	64 lbs	79 lbs
2"	No. 2	168	53 lbs	60 lbs	132	60 lbs	73 lbs	180	69 lbs	87 lbs	180	75 lbs	88 lbs
2"	No. 3	156	67 lbs	73 lbs	120	59 lbs	74 lbs	160	65 lbs	84 lbs	160	68 lbs	84 lbs
2"	No. 4	144	65 lbs	77 lbs	96	56 lbs	64 lbs	72	58 lbs	64 lbs	72	62 lbs	68 lbs
2"	No. 3-Shoe	162	68 lbs	74 lbs	108	58 lbs	74 lbs	160	77 lbs	92 lbs	72	41 lbs	47 lbs
3"	No. 1	84	45 lbs	53 lbs	96	51 lbs	62 lbs	120	74 lbs	84 lbs	96	56 lbs	61 lbs
3"	No. 2	78	48 lbs	56 lbs	80	53 lbs	60 lbs	96	70 lbs	75 lbs	84	54 lbs	67 lbs
3"	No. 3	68	49 lbs	54 lbs	72	52 lbs	58 lbs	72	62 lbs	67 lbs	72	62 lbs	67 lbs
3"	No. 4	60	45 lbs	53 lbs	60	49 lbs	59 lbs	60	51 lbs	71 lbs	60	51 lbs	71 lbs
3"	No. 3-Shoe	66	51 lbs	57 lbs	66	51 lbs	57 lbs	84	65 lbs	85 lbs	72	65 lbs	81 lbs
4"	No. 1	44	37 lbs	39 lbs	44	38 lbs	46 lbs	56	56 lbs	66 lbs	40	44 lbs	49 lbs
4"	No. 2	36	38 lbs	40 lbs	36	39 lbs	42 lbs	48	50 lbs	76 lbs	40	46 lbs	51 lbs
4"	No. 3	30	37 lbs	42 lbs	30	41 lbs	45 lbs	40	44 lbs	54 lbs	30	36 lbs	42 lbs
4"	No. 4	27	36 lbs	39 lbs	27	37 lbs	44 lbs	36	46 lbs	59 lbs	24	40 lbs	46 lbs
4"	No. 3-Shoe	30	39 lbs	42 lbs	30	40 lbs	44 lbs	40	52 lbs	61 lbs	30	38 lbs	45 lbs
5"	No. 1	24	34 lbs	38 lbs	24	35 lbs	38 lbs	30	42 lbs	49 lbs	30	44 lbs	52 lbs
5"	No. 2	18	29 lbs	33 lbs	18	29 lbs	32 lbs	24	38 lbs	44 lbs	20	34 lbs	40 lbs
5"	No. 3	16	33 lbs	37 lbs	16	33 lbs	35 lbs	24	44 lbs	48 lbs	18	40 lbs	48 lbs
5"	No. 4	16	34 lbs	38 lbs	16	34 lbs	37 lbs	19	39 lbs	42 lbs	18	42 lbs	51 lbs
5"	No. 3-Shoe	16	34 lbs	37 lbs	16	34 lbs	37 lbs	24	39 lbs	46 lbs	12	30 lbs	38 lbs
6"	No. 1	12	26 lbs	28 lbs	12	30 lbs	33 lbs	Not Made		Not Made		Not Made	
6"	No. 2	12	28 lbs	32 lbs	12	31 lbs	34 lbs						
6"	No. 3	12	30 lbs	34 lbs	12	32 lbs	35 lbs						
6"	No. 4	9	32 lbs	34 lbs	9	34 lbs	36 lbs						
6"	No. 3-Shoe	9	30 lbs	32 lbs	9	32 lbs	35 lbs						

Order in carton lots as this insures you against damage and soiled appearances



||| { Barnes } |||

Packed for Safe Shipment



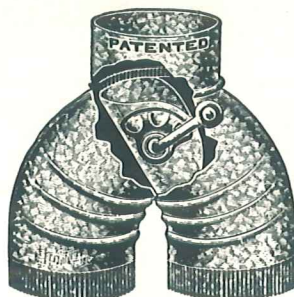
Barnes originated the idea of shipping elbows in corrugated board boxes



# Barnes



*Corrugated Round*



*Plain Round*

**SECURE YOUR  
CUT-OFFS  
FROM BARNES**



*Corrugated Square*

CUT-OFFS from Barnes are reinforced by tight seaming and galvanizing after formation. No solder is used. Simplification in cut-off mechanism insures years of service. An arrangement for locked lever position keeps the flow of water in the correct drain.

These practical cut-offs may be had in Galvanized Steel, Armco, Gohi, Toncan, Copper-bearing Steel and pure Cold Rolled Copper.

## List Prices Per Dozen

Made from Galvanized Steel, Armco, Gohi, Toncan and Keystone Metal

No. 26 and 28 Gauges	2'	3'	4'	5'	6'
Corrugated Round	\$ 7.50	\$ 8.00	\$11.00	\$20.00	\$24.00
Plain Round	7.00	8.00	11.00	20.00	24.00
Corrugated Square	16.00	20.00	28.00	48.00	—

Packed in Corrugated Containers as Follows

**Corrugated Round**

**Plain Round**

Size	Doz.	No. 28	No. 26	Size	Doz.	No. 28	No. 26
2'	1	10 lbs	11 lbs	2'	1	7 lbs	8 lbs
3'	1	12 lbs	14 lbs	3'	1	12 lbs	13 lbs
4'	1	22 lbs	23 lbs	4'	1	21 lbs	24 lbs
5'	1 1/2	18 lbs	20 lbs	5'	1 1/2	18 lbs	20 lbs
6'	1 1/2	21 lbs	24 lbs	6'	1 1/2	22 lbs	24 lbs

## List Prices Per Dozen

Made from Cold Rolled Copper

Size	2'		3'		4'		5'		6'	
Ounce Weight	14	16	14	16	14	16	14	16	14	16
Corrugated Round	\$32.00	\$40.00	\$40.00	\$48.00	\$56.00	\$64.00	\$112.00	\$120.00	\$184.00	\$192.00
Plain Round	32.00	40.00	40.00	48.00	56.00	64.00	112.00	120.00	184.00	192.00
Square Corrugated	32.00	40.00	56.00	64.00	72.00	80.00	128.00	136.00	—	—

## Young's Cut-Offs



The angle of the woven wire strainer which is rigidly attached to the inside of the well known Young's patented Combination Strainer and Cut-off readily ejects leaves and other debris through the ample side opening thereby preventing it from following down the rain pipe.

Perfect in design and affords durability. Made in Galvanized Steel only, two sizes.

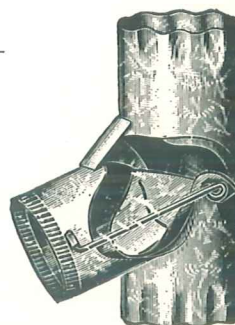
List Price Per Dozen

Size	List	Carton	Weight
3 in.	\$17.00	1 doz.	16 lbs
4 in.	18.50	1 doz.	24 lbs

*Barnes  
Products  
Include  
the  
Best  
of  
Everything*

## Centennial Cut-Offs

Can be used in any position without extra pipe. Strong and Durable. Made in plain round (Style A) and round corrugated (Style B). Packed one dozen to the corrugated shipping container, assorted right and left hand wires.



Plain Round—Style "A" (List Price Per Dozen)

Size	2"	3"	4"	5"	6"
No. 28 Galvanized Steel	\$ 7.00	\$ 8.00	\$10.60	\$14.00	\$18.50
No. 26 Galvanized Steel	7.50	8.50	11.50	15.50	19.00
No. 28 Galvanized Armco or Toncan	7.70	8.20	11.00	14.90	22.00
No. 26 Galvanized Armco or Toncan	—	9.20	12.50	16.00	—
14 Oz. Copper	27.60	31.20	43.20	61.20	84.00
16 Oz. Copper	36.00	42.00	54.00	66.00	90.00

Round Corrugated—Style "B" (List Price Per Dozen)

Size	2"	3"	4"	5"	6"
No. 28 Galvanized Steel	\$ 7.20	\$ 8.50	\$11.20	\$15.00	—
No. 26 Galvanized Steel	8.00	9.10	12.50	16.50	—
No. 28 Galvanized Armco or Toncan	8.00	8.70	11.80	16.00	—
No. 26 Galvanized Armco or Toncan	—	9.60	13.30	16.90	—
14 Oz. Copper	30.00	33.60	46.80	64.80	\$92.40
16 Oz. Copper	42.00	48.00	60.00	72.00	96.00

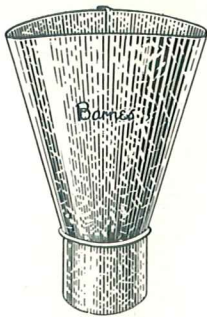
Shipping Weights in Galvanized

Size	2"	3"	4"	5"	6"
1 Doz. Carton	10 lbs	13 lbs	20 lbs	25 lbs	—



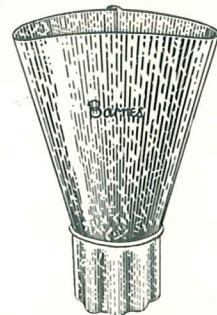
# **Barnes**

## **Barnes Funnels Not Soldered**



*Plain  
Round End*

Made in two pieces, double seamed style. This funnel is strong and durable. Galvanized after formation insures you of quality. Made from Galvanized Steel, Armco, Gohi, Toncan metal, Copper-bearing steel and Pure Copper.



*Corrugated  
Round End*

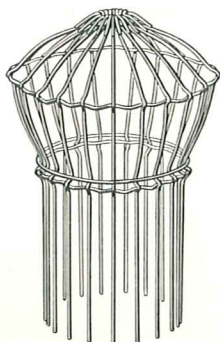
### **List Prices Per Dozen**

	For 2" Condr. Pipe	Weight per Dozen	For 3" Condr. Pipe	Weight per Dozen	For 4" Condr. Pipe	Weight per Dozen
No. 28 Gauge	\$ 6.00	6½ lbs	\$ 8.00	7½ lbs	\$10.00	10 lbs
No. 26 Gauge	7.20	7½ lbs	9.60	10½ lbs	12.00	13½ lbs
14 Oz. Copper	16.80	—	21.60	—	32.40	—
16 Oz. Copper	18.00	—	24.00	—	36.00	—

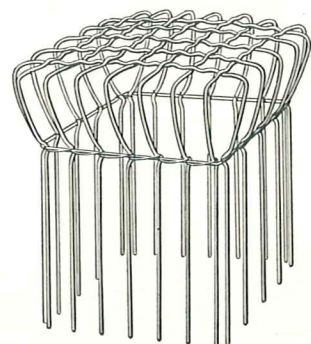
## **For Service, Insist on Barnes Conductor Pipe Strainers**

### **List Prices Per Dozen**

Size	ROUND				SQUARE			
	Galv.	Wt. Per Doz.	Copper	Wt. Per Doz.	Galv.	Wt. Per Doz.	Copper	Wt. Per Doz.
2"	\$1.50	2⅓ lbs	\$ 5.40	1⅛ lbs	\$ 6.80	1⅜ lbs	\$ 8.00	1⅜ lbs
3"	2.10	1⅜ lbs	7.50	2¼ lbs	8.80	1⅞ lbs	10.00	1⅞ lbs
4"	3.00	2¼ lbs	10.50	4½ lbs	10.00	4⅛ lbs	18.00	4½ lbs
5"	5.00	3¼ lbs	14.40	7⅛ lbs	14.00	6⅜ lbs	24.00	7⅛ lbs
6"	6.00	4¾ lbs	19.50	9¾ lbs	—	—	—	—



Keep Conductor Pipes from clogging and cisterns free from refuse. Barnes Strainers mean sanitation. These Strainers are not merely coated but actually galvanized after fabrication thereby insuring a strong, rigid guard. Copper Strainers made from pure Copper wire.

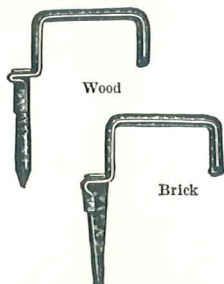




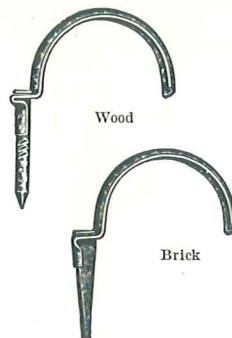
# Barnes

## You Will Find a Barnes Hook for Every Purpose

Save money on Conductor Pipe erection by using Barnes, the kind of Hooks that drive straight and true.



The "Direct Drive" Wrought Steel Conductor Hook is spot welded and Galvanized after formed. It is an inexpensive Hook that answers many requirements.



### List Prices Per Hundred

SIZE	2"	2½"	3"	4"	5"	6"
Round or Square for Wood	\$3.00	\$4.00	\$5.00	\$7.00	\$10.00	\$12.00
Round or Square for Brick	3.50	4.50	5.50	8.50	12.00	15.00

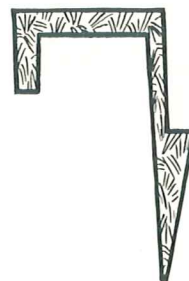
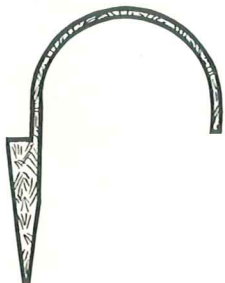
Note: Specify 2½" Size for 2" Rd. Corr. Pipe Only

Packed in Fibre Cartons

Size	Unit	Round D. D. Hooks		Square D. D. Hooks	
		For Wood Wt. Per Unit	For Brick Wt. Per Unit	For Wood Wt. Per Unit	For Brick Wt. Per Unit
2"	100	9½ lbs	10½ lbs	9¾ lbs	10½ lbs
2½"	100	11 lbs	11¾ lbs	—	—
3"	100	12¾ lbs	13¾ lbs	12½ lbs	13¾ lbs
4"	100	20 lbs	28 lbs	21½ lbs	26½ lbs
5"	50	16 lbs	19½ lbs	16 lbs	20 lbs
6"	50	21½ lbs	21½ lbs	—	—

## The Strongest Hook Obtainable

For Rigidity and Permanence use these Barnes extra heavy, properly shaped, Wrought Iron Conductor Hooks. Galvanized after forming. Hand made.



### List Prices Per Hundred

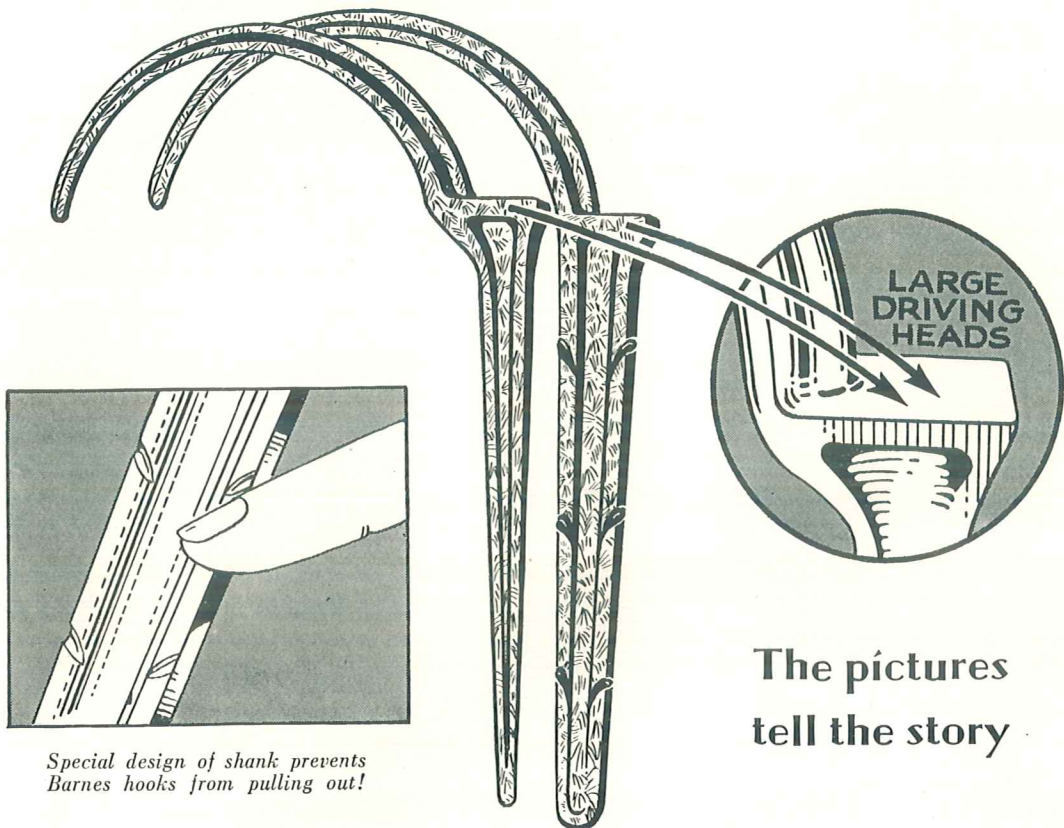
SIZE	2"	3"	4"	5"	6"	7"	8"
Round for Wood or Brick	\$15.00	\$16.00	\$18.00	\$21.00	\$24.00	\$28.00	\$34.00
Square for Wood or Brick	17.00	18.00	21.00	24.00	—	—	—

Packed in Fibre Cartons

Size	Unit	Weight Per Unit	
		Round	Square
2"	100	15 lbs	20 lbs
3"	100	30 lbs	30 lbs
4"	50	22 lbs	22 lbs
5"	50	25 lbs	28 lbs
6"	50	30 lbs	—
7"	50	45 lbs	—
8"	50	50 lbs	—

# **{Barnes}**

## **Don't Waste Your Time With Inferior Hooks**

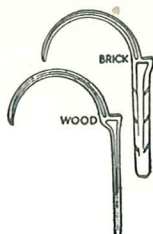


Regardless as to style or type, the "Certified Malleable" Rust-Proof coated Hook from Barnes represents a quality second to none.

Here is a Conductor Pipe Hook with a large driving head, a place where a firm, hard driving blow may be struck. Hit it as hard as you want for the specially constructed I-beam principle, notched shank will stand the blow and drive straight. Best of all, this drive keeps the Hook in the wall.

**It's always cheaper to use one Barnes Sickle Hook than two or three inferior ones that bend—break—pull out and waste your time.**





## Plain Round Sickle Hooks

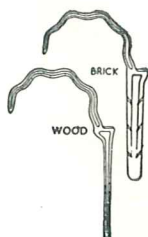
List Prices Per 100 Pieces

“Certified Malleable” Rust-Proof Coated

Size	Wood Drive	Weight	Brick Drive	Weight
2"	\$ 4.00	7 lbs	\$ 4.50	12 lbs
3"	6.00	11 lbs	7.00	18 lbs
4"	7.00	17 lbs	9.00	24 lbs
5"	12.00	22 lbs	13.00	34 lbs
6"	16.00	30 lbs	18.00	41 lbs

### Cast Bronze

Size	Wood Drive	Weight	Brick Drive	Weight
2"	\$ 8.00	6 $\frac{3}{4}$ lbs	\$10.00	9 lbs
3"	14.00	13 lbs	16.00	15 lbs
4"	18.00	15 $\frac{1}{2}$ lbs	24.00	22 $\frac{1}{4}$ lbs
5"	30.00	22 lbs	35.00	30 $\frac{1}{2}$ lbs
6"	40.00	33 lbs	50.00	43 $\frac{3}{4}$ lbs



## Round Corrugated Sickle Hooks

List Prices Per 100 Pieces

“Certified Malleable” Rust-Proof Coated

Size	Wood Drive	Weight	Brick Drive	Weight
2"	\$ 5.50	9 lbs	\$ 6.00	12 lbs
3"	8.00	13 lbs	9.00	17 lbs
4"	11.00	17 lbs	12.00	23 lbs

### Cast Bronze

Size	Wood Drive	Weight	Brick Drive	Weight
2"	\$10.00	8 $\frac{1}{2}$ lbs	12.00	14 $\frac{1}{4}$ lbs
3"	15.00	12 $\frac{3}{4}$ lbs	16.00	14 $\frac{1}{2}$ lbs
4"	22.00	18 $\frac{1}{4}$ lbs	24.00	22 $\frac{1}{2}$ lbs

# **[Barnes]**



## **Plain Round Hinged Hooks**

List Prices Per 100 Pieces

**"Certified Malleable" Rust-Proof Coated**

Size	Wood Drive	Weight	Brick Drive	Weight
2"	\$ 9.00	13 lbs	\$11.00	14 lbs
3"	12.00	20 lbs	13.00	22 lbs
4"	16.00	25 lbs	16.00	28 lbs
5"			27.00	42 lbs

**Cast Bronze**

Size	Wood Drive	Weight	Brick Drive	Weight
2"	\$16.00	12 $\frac{3}{4}$ lbs	\$18.00	15 lbs
3"	22.00	21 $\frac{1}{2}$ lbs	27.00	22 $\frac{1}{2}$ lbs
4"	30.00	25 $\frac{1}{2}$ lbs	36.00	28 lbs
5"			48.00	43 lbs



## **Round Corrugated Hinged Hooks**

List Prices Per 100 Pieces

**"Certified Malleable" Rust-Proof Coated**

Size	Short Wood Drive	Weight	Long Wood Drive	Weight	Brick Drive	Weight
2"	\$10.00	16 lbs	\$11.00	17 lbs	\$11.00	17 lbs
3"	11.00	18 lbs	13.00	20 lbs	14.00	22 lbs
4"	17.00	27 lbs	20.00	30 lbs	20.00	30 lbs
5"			24.00	40 lbs	25.00	40 lbs
6"			32.00	48 lbs	34.00	54 lbs

**Cast Bronze**

Size	Short Wood Drive	Weight	Long Wood Drive	Weight	Brick Drive	Weight
2"	\$16.00	15 $\frac{3}{4}$ lbs	\$18.00	16 lbs	\$18.00	16 $\frac{3}{4}$ lbs
3"	21.00	19 $\frac{1}{2}$ lbs	24.00	22 lbs	27.00	23 $\frac{1}{2}$ lbs
4"	30.00	28 $\frac{1}{2}$ lbs	36.00	29 lbs	36.00	34 lbs
5"			42.00	48 lbs	48.00	56 $\frac{1}{4}$ lbs
6"			60.00	57 lbs	60.00	64 $\frac{3}{4}$ lbs



# Barnes



## Square Wired Hooks

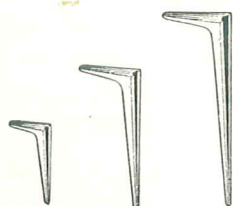
List Prices Per 100 Pieces

"Certified Malleable" Rust-Proof Coated

Size	Wood Drive	Weight	Brick Drive	Weight
2"	\$ 6.00	8½ lbs	\$ 7.00	9¾ lbs
3"	8.00	13 lbs	10.00	18 lbs
4"	10.00	19 lbs	12.00	22 lbs
5"	15.00	21½ lbs	16.00	23 lbs

Cast Bronze

Size	Wood Drive	Weight	Brick Drive	Weight
2"	\$12.00	9½ lbs	\$13.00	11 lbs
3"	15.00	14½ lbs	20.00	18½ lbs
4"	20.00	18 lbs	27.00	24½ lbs
5"	27.00	24 lbs	30.00	26½ lbs



## Flashing Hooks

List Prices Per 100 Pieces

Size	1½"	Weight	2½"	Weight	3½"	Weight	5½"	Weight	7½"	Weight
Black	\$ .90	1½ lbs	\$1.50	3½ lbs	\$2.20	4¾ lbs	\$ 5.00	8¾ lbs	\$ 8.00	15¾ lbs
Certified Malleable	1.10	2 lbs	1.80	4 lbs	2.70	5 lbs	6.00	8¾ lbs	10.00	15¾ lbs
Cast Bronze	2.00	2 lbs	4.00	4 lbs	6.00	5 lbs	12.00	11 lbs	18.00	18 lbs

## Perfection Wire Conductor Pipe Hangers



Here is an inexpensive method of securely fastening Pipe. Holds Pipe on all sides, strong, durable, permits painting, can be used for both brick and frame buildings for either plain round or round corrugated Pipe, quickly tightened by the twist of the eye.

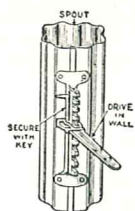
Galvanized Steel Wire

Copper Wire

Size	List Prices Per 100	Gauge of Wire	Shipping Unit	Weight Per Unit	Size	List Prices Per 100	Gauge of Wire
2"	\$2.00	12	100	3¾ lbs	—	—	—
2½"	2.25	12	50	2 lbs	—	—	—
3"	2.50	11	50	3¼ lbs	3"	\$5.00	11
4"	3.00	10	50	4¾ lbs	4"	6.00	10
5"	3.50	9	25	3¼ lbs	—	—	—
6"	4.00	8	25	4½ lbs	—	—	—

# Barnes

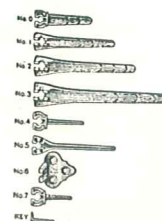
## Pipe Fasteners



Here is a universal accessory used to advantage wherever Conductor Pipe is to be erected. The rack fits any size or style of Pipe, may be applied either end up, right or left hand or in any desired position. The construction of the rack allows sufficient variation to permit the Pipe to slip together until it is tight in the joints as all Pipe should be to prevent rattling.

Various length and style drives may be had so as to meet all conditions, accordingly the Pipe may be fastened to wood, brick or stone at any distance from the wall.

Complete fasteners, drives only, racks and keys only or keys only may be had in both "Certified Malleable" Rust-Proof coated or Cast Bronze.



## Pipe Fasteners Complete

List Prices Per 100 Pieces

No.	Drive	Certified Malleable Rust-Proof Coated	Weight	Cast Bronze	Weight
0	3" Brick	\$11.50	21 lbs	\$24.00	23 lbs
1	4½" Brick & Stone	13.50	26 lbs	28.00	27½ lbs
2	6" Stone	16.00	31 lbs	36.00	33½ lbs
3	9" Stone	21.00	45 lbs	49.00	46½ lbs
4	3" Wood	10.50	17 lbs	20.50	19½ lbs
5	5" Wood	12.00	19 lbs	26.00	25 lbs
6	To nail to Wood	11.50	19 lbs	24.00	23 lbs
7	To screw to Wood	11.50	17 lbs	21.50	20½ lbs

## Drives Only

List Prices Per 100 Pieces

No.	Drive	Certified Malleable Rust-Proof Coated	Weight	Cast Bronze	Weight
0	3" Brick	\$ 4.50	10 lbs	\$10.00	9½ lbs
1	4½" Brick or Stone	6.50	15 lbs	14.00	14 lbs
2	6" Stone	9.00	20 lbs	22.00	20 lbs
3	9" Stone	14.00	34 lbs	35.00	33 lbs
4	3" Wood	3.50	6 lbs	6.50	6 lbs
5	5" Wood	5.00	8 lbs	12.00	11½ lbs
6	To Nail to Wood	4.50	8 lbs	10.00	9½ lbs
7	To Screw to Wood	4.50	6 lbs	7.50	7 lbs
Racks and Keys only		7.00	11 lbs	14.00	13½ lbs
Keys only		.75	1¼ lbs	2.00	1¼ lbs



## "Fitrite" One Piece Ornamental Leader Straps

In addition to being ornamental and artistic, with that beautiful hand hammered effect, here is a strap actually strong enough to hold Conductor Pipe without the use of hooks.

When hooks are used, tinsmith slits edges of Strap and bends at desired point, allowing for proper distance from leader to wall of building.

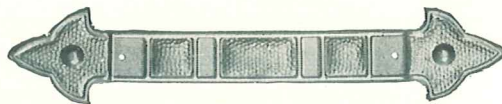


The same strap used for Round Leader

Style "L" (Low) made of heavy gauge metal, strong enough to hold leader without hooks.



The same strap used for Square Leader



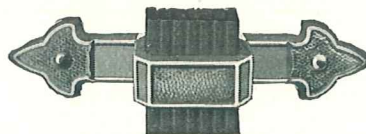
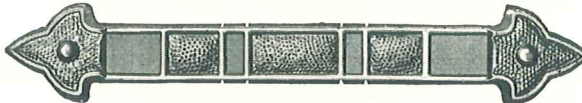
Standard Unit—100 Pieces

Copper

Zinc

Size for Round or Square Pipe	List Per 100	Weight Per Unit	List Per 100	Weight Per Unit
2 Inch	\$28.00	29½ lbs	\$16.00	26¾ lbs
3 Inch	30.00	32 lbs	18.00	29 lbs
4 Inch	34.00	37 lbs	20.00	34 lbs

Style "H" (High—¾" Flange)  
made in 16 oz. copper or 11 guage zinc.



For Square Leaders only

Standard Unit—100 Pieces

Copper

Zinc

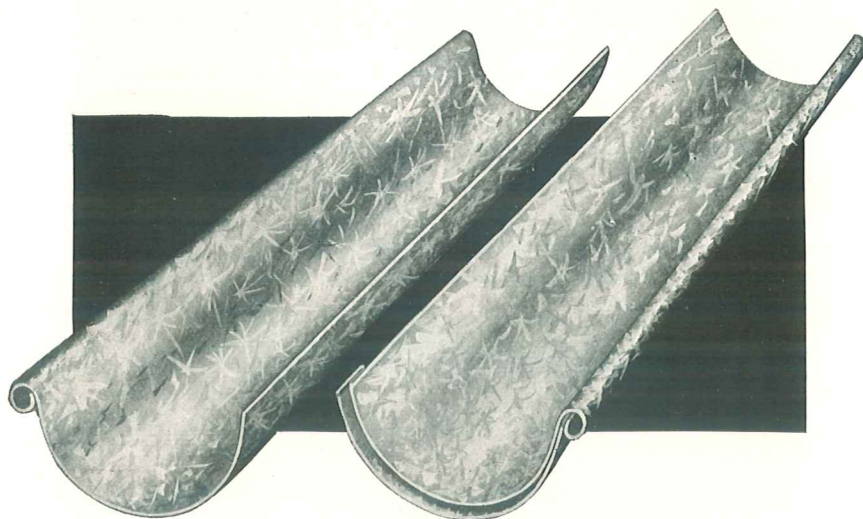
Size for Square Pipe Only	List Per 100	Weight Per Unit	List Per 100	Weight Per Unit
3 Inch	\$34.00	29¼ lbs	\$24.00	26½ lbs
4 Inch	38.00	32½ lbs	26.00	29½ lbs

BOTH STYLES SHIPPED FLAT. CAN BE BENT OR FORMED  
BY HAND ON THE JOB. NO SOLDERING NECESSARY

COPPER FOR COPPER LEADERS—ZINC FOR ZINC OR GALVANIZED LEADERS

# **Barnes**

## **Barnes—Sagless—Eaves-Trough**



All Sizes—All Styles—All Metals

**BARNES**, the specially strength constructed Eaves-Trough with the square, firm edge meets all non-sagging test requirements, is easily assembled and fits snugly.

Uniformly straight, accurate, well turned bead is assured as each length is formed on patented Barnes automatic machinery.

A series of slight, unnoticeable breaks one-quarter of an inch apart across the full girth running parallel with the bead are automatically placed in each Barnes Eaves-Trough. This Barnes strength process is conceded to be the sure and proper method of reinforcement by so eliminating all strain and spring from the metal.

Made in Single and Double Bead, Lap and Slip joint, from all metals, and in all sizes. The slip joint on all Barnes Trough is opened by patented process after forming, insuring easy assembly.

*Remember*, Barnes Eaves-Trough, like all other Barnes products, is fabricated only from full weight, prime stock and embodies every characteristic of honest merchandise.

Offering such merit, no wonder Barnes is first choice where time saving and costly replacements count.



# [Barnes]

## Eaves-Trough

All Sizes Made in 10-Foot Lengths

List Prices Per Linear Foot

Weight Per 1,000 Feet

Made from Galv. Steel, Galv. Copper Bearing, Armco, Gohi and Toncan Metal

### Single Bead Lap Joint

Size	3½ Inch		4 Inch		5 Inch		6 Inch		7 Inch		8 Inch	
29 Ga	15¢	420 lbs	17¢	480 lbs	19¢	600 lbs	24¢	719 lbs	30¢	840 lbs	40¢	960 lbs
28 Ga	17¢	457 lbs	19¢	522 lbs	20¢	651 lbs	25¢	781 lbs	32¢	912 lbs	42¢	1044 lbs
26 Ga	21¢	530 lbs	23¢	605 lbs	24¢	755 lbs	31¢	906 lbs	40¢	1058 lbs	50¢	1210 lbs
24 Ga	—	—	33¢	772 lbs	34¢	964 lbs	40¢	1156 lbs	50¢	1350 lbs	60¢	1544 lbs

### Single Bead Slip Joint

Size	3½ Inch		4 Inch		5 Inch		6 Inch		7 Inch		8 Inch	
29 Ga	17¢	431 lbs	19¢	492 lbs	21¢	615 lbs	26¢	737 lbs	32¢	861 lbs	42¢	984 lbs
28 Ga	19¢	467 lbs	21¢	535 lbs	22¢	667 lbs	27¢	801 lbs	34¢	935 lbs	44¢	1070 lbs
26 Ga	23¢	543 lbs	25¢	620 lbs	26¢	774 lbs	33¢	929 lbs	42¢	1085 lbs	52¢	1240 lbs
24 Ga	—	—	35¢	791 lbs	36¢	988 lbs	42¢	1185 lbs	52¢	1384 lbs	62¢	1582 lbs

### Double Bead Lap Joint

Size	3½ Inch		4 Inch		5 Inch		6 Inch		7 Inch		8 Inch	
29 Ga	22¢	540 lbs	24¢	600 lbs	26¢	719 lbs	31¢	840 lbs	37¢	960 lbs	47¢	1078 lbs
28 Ga	23¢	586 lbs	25¢	651 lbs	27¢	781 lbs	33¢	912 lbs	39¢	1044 lbs	50¢	1172 lbs
26 Ga	28¢	680 lbs	30¢	755 lbs	32¢	906 lbs	40¢	1058 lbs	50¢	1210 lbs	60¢	1360 lbs
24 Ga	—	—	44¢	964 lbs	45¢	1156 lbs	55¢	1350 lbs	69¢	1544 lbs	70¢	1735 lbs

### Double Bead Slip Joint

Size	3½ Inch		4 Inch		5 Inch		6 Inch		7 Inch		8 Inch	
29 Ga	24¢	554 lbs	26¢	615 lbs	28¢	737 lbs	33¢	861 lbs	39¢	984 lbs	49¢	1105 lbs
28 Ga	25¢	601 lbs	27¢	667 lbs	29¢	800 lbs	35¢	935 lbs	41¢	1070 lbs	52¢	1201 lbs
26 Ga	30¢	697 lbs	32¢	774 lbs	34¢	929 lbs	42¢	1084 lbs	52¢	1240 lbs	62¢	1394 lbs
24 Ga	—	—	46¢	988 lbs	47¢	1185 lbs	57¢	1384 lbs	62¢	1582 lbs	72¢	1778 lbs

250 Foot Crates. Average Crate Weight 100 Lbs. Per 1,000 Feet

# **Barnes**

## **Eaves-Trough**

All Sizes Made in 10-Foot Lengths

List Prices Per Linear Foot

Weight Per 1,000 Feet

Made from Pure Copper and Zinc

### **Single Bead Lap Joint**

Size	3½ Inch		4 Inch		5 Inch		6 Inch		7 Inch		8 Inch	
14 Oz. Copper	23¢	511 lbs	28¢	584 lbs	33¢	729 lbs	39¢	875 lbs	49¢	1021 lbs	56¢	1168 lbs
16 Oz. Copper	26¢	584 lbs	32¢	667 lbs	36¢	834 lbs	44¢	1000 lbs	54¢	1167 lbs	63¢	1334 lbs
# 11 Zinc	26¢	525 lbs	32¢	600 lbs	36¢	750 lbs	44¢	900 lbs	54¢	1050 lbs	63¢	1200 lbs

### **Single Bead Slip Joint**

Size	3½ Inch		4 Inch		5 Inch		6 Inch		7 Inch		8 Inch	
14 Oz. Copper	26¢	524 lbs	31¢	599 lbs	36¢	747 lbs	42¢	897 lbs	52¢	1047 lbs	59¢	1196 lbs
16 Oz. Copper	29¢	599 lbs	35¢	684 lbs	39¢	855 lbs	47¢	1025 lbs	57¢	1196 lbs	66¢	1368 lbs
# 11 Zinc	29¢	538 lbs	35¢	615 lbs	39¢	769 lbs	47¢	923 lbs	57¢	1076 lbs	66¢	1230 lbs

### **Double Bead Lap Joint**

Size	3½ Inch		4 Inch		5 Inch		6 Inch		7 Inch		8 Inch	
14 Oz. Copper	28¢	674 lbs	37¢	730 lbs	40¢	850 lbs	50¢	1021 lbs	57¢	1167 lbs	67¢	1312 lbs
16 Oz. Copper	32¢	750 lbs	40¢	834 lbs	45¢	1000 lbs	55¢	1167 lbs	64¢	1334 lbs	75¢	1500 lbs
# 11 Zinc	32¢	675 lbs	40¢	750 lbs	45¢	900 lbs	55¢	1050 lbs	64¢	1200 lbs	75¢	1350 lbs

### **Double Bead Slip Joint**

Size	3½ Inch		4 Inch		5 Inch		6 Inch		7 Inch		8 Inch	
14 Oz. Copper	31¢	691 lbs	40¢	748 lbs	43¢	871 lbs	53¢	1047 lbs	60¢	1194 lbs	70¢	1345 lbs
16 Oz. Copper	35¢	769 lbs	43¢	855 lbs	48¢	1025 lbs	58¢	1194 lbs	67¢	1367 lbs	78¢	1538 lbs
# 11 Zinc	35¢	693 lbs	43¢	769 lbs	48¢	923 lbs	58¢	1076 lbs	67¢	1230 lbs	78¢	1384 lbs

250 Foot Crates. Average Crate Weight 100 Lbs. Per 1,000 Feet

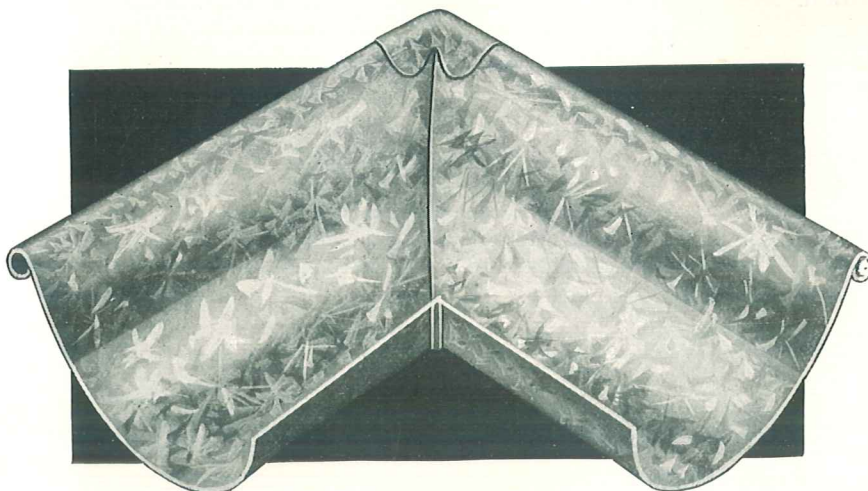


# [Barnes]

## Barnes Super-Mitre

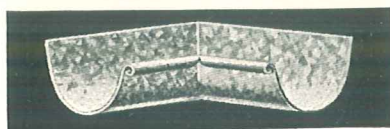
*Uncomparably Rigid*

All sizes and Metals in both Lap or Slip joint type, Inside or Outside Corners, Single or Double Bead.

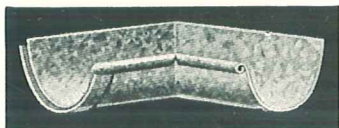


*The Finished Mitre*

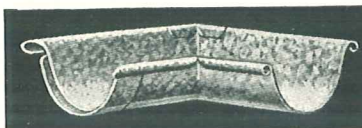
The most rigid Mitre ever made. Designed in two pieces which are joined together by a lock seam. The Barnes clip—an exclusive feature, is rigidly secured where the beaded edges meet. Accurate right angle and adequate bead insure easy assembly on the job.



*Single Bead—Lap Joint  
Inside Mitre*



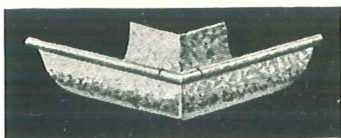
*Single Bead—Slip Joint  
Inside Mitre*



*Double Bead—Slip Joint  
Inside or Outside Mitre*

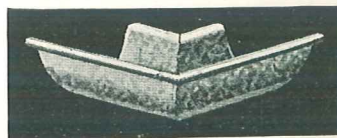


When ordering Slip Joint Mitres, state whether right or left hand is wanted and whether for inside or outside corner, otherwise half rights and half lefts and half inside and half outside corner mitres will be supplied.



*Single Bead—Lap Joint  
Outside Mitre*

*Use  
Barnes Products  
to  
Build Better Business*



*Double Bead—Lap Joint  
Inside or Outside Mitre*

To insure long life, Barnes Mitres are all Galvanized after forming. All Mitres from 3½ in. to 6 in. are ½ in. bead. Larger sizes have ⅝ in. bead.

# **{Barnes}**

## **The Barnes Super-Mitre**

List Prices Per Dozen

Made from Galvanized Steel, Armco, Gohi and Toncan Metal, and Galvanized Copper Bearing Steel

Single Bead—Lap Joint						Double Bead—Lap Joint					
Sizes	3½"	4"	5"	6"	7"	Sizes	3½"	4"	5"	6"	7"
Nos. 28, 26, or 24 Ga.	\$7.50	\$8.00	\$9.25	\$11.75	\$15.75	Nos. 28, 26, or 24 Ga.	\$10.50	\$11.00	\$12.25	\$14.75	\$18.75

### **GROSS WEIGHT PER 2 DOZEN CARTON**

Single Bead — Lap Joint						Double Bead — Lap Joint					
28 Gauge			26 Gauge			28 Gauge			26 Gauge		
Size	Outside	Inside	Outside	Inside		Size	Outside	Inside	Outside	Inside	
3½ In.	14½ lbs	12¼ lbs	15¾ lbs	14½ lbs		3½ In.	16¾ lbs	14½ lbs	18½ lbs	16½ lbs	
4 In.	17½ lbs	15¼ lbs	18½ lbs	16 lbs		4 In.	18 lbs	15½ lbs	21¼ lbs	18½ lbs	
5 In.	21¾ lbs	18¼ lbs	24¼ lbs	22 lbs		5 In.	23 lbs	20 lbs	26½ lbs	23½ lbs	
6 In.	25 lbs	22¼ lbs	28½ lbs	25 lbs		6 In.	28½ lbs	25½ lbs	31¼ lbs	28½ lbs	

Single Bead—Slip Joint						Double Bead—Slip Joint					
Sizes	3½"	4"	5"	6"	7"	Sizes	3½"	4"	5"	6"	7"
Nos. 28, 26, or 24 Ga.	\$10.50	\$11.00	\$12.25	\$14.75	\$18.75	Nos. 28, 26, or 24 Ga.	\$13.50	\$14.00	\$15.25	\$17.75	\$21.75

### **GROSS WEIGHT PER 2 DOZEN CARTON**

Single Bead — Slip Joint						Double Bead — Slip Joint					
28 Gauge			26 Gauge			28 Gauge			26 Gauge		
Size	Outside	Inside	Outside	Inside		Size	Outside	Inside	Outside	Inside	
3½ In.	18 lbs	16 lbs	19½ lbs	18¼ lbs		3½ In.	20½ lbs	18½ lbs	22¼ lbs	20½ lbs	
4 In.	21½ lbs	19¼ lbs	22½ lbs	20 lbs		4 In.	22 lbs	19½ lbs	25¼ lbs	22½ lbs	
5 In.	26¾ lbs	23¼ lbs	29¼ lbs	27 lbs		5 In.	28 lbs	25½ lbs	31¼ lbs	28½ lbs	
6 In.	31½ lbs	29¼ lbs	35 lbs	31½ lbs		6 In.	35 lbs	32½ lbs	37¾ lbs	34½ lbs	

Made from Pure Copper and Zinc.

Single Bead—Lap Joint						Double Bead—Lap Joint					
14 or 16 oz. No. 11 Zinc	\$10.80	\$11.40	\$13.20	\$20.04	\$25.80	14 or 16 oz. No. 11 Zinc	\$13.80	\$14.40	\$16.20	\$23.04	\$28.80
	10.80	11.40	13.20	20.04	25.80		13.80	14.40	16.20	23.04	28.80

### **GROSS WEIGHT PER 2 DOZEN CARTON**

Single Bead — Lap Joint						Double Bead — Lap Joint					
16 Oz. Copper			No. 11 Zinc			16 Oz. Copper			No. 11 Zinc		
Size	Outside	Inside	Outside	Inside		Size	Outside	Inside	Outside	Inside	
3½ In.	17¾ lbs	15½ lbs	17¾ lbs	15½ lbs		3½ In.	20½ lbs	18½ lbs	22¼ lbs	20½ lbs	
4 In.	20½ lbs	18 lbs	20½ lbs	18 lbs		4 In.	23¼ lbs	20½ lbs	25¼ lbs	22½ lbs	
5 In.	27½ lbs	23¼ lbs	27½ lbs	23¼ lbs		5 In.	30½ lbs	26½ lbs	31¼ lbs	28½ lbs	
6 In.	32½ lbs	27½ lbs	32½ lbs	27½ lbs		6 In.	34¼ lbs	29½ lbs	34¼ lbs	29½ lbs	

Single Bead—Slip Joint						Double Bead—Slip Joint					
Sizes	3½"	4"	5"	6"	7"	Sizes	3½"	4"	5"	6"	7"
14 or 16 oz. No. 11 Zinc	\$13.80	\$14.40	\$16.20	\$23.04	\$28.80	14 or 16 oz. No. 11 Zinc	\$16.80	\$17.40	\$19.20	\$26.04	\$31.80
	13.80	14.40	16.20	23.04	28.80		16.80	17.40	19.20	26.04	31.80

### **GROSS WEIGHT PER 2 DOZEN CARTON**

Single Bead — Slip Joint						Double Bead — Slip Joint					
16 Oz. Copper			No. 11 Zinc			16 Oz. Copper			No. 11 Zinc		
Size	Outside	Inside	Outside	Inside		Size	Outside	Inside	Outside	Inside	
3½ In.	22 lbs	19¾ lbs	22 lbs	19¾ lbs		3½ In.	24¾ lbs	21½ lbs	24¾ lbs	21½ lbs	
4 In.	25 lbs	22½ lbs	25 lbs	22½ lbs		4 In.	27¾ lbs	24½ lbs	27¾ lbs	24½ lbs	
5 In.	33¼ lbs	29 lbs	33¼ lbs	29 lbs		5 In.	36¼ lbs	31½ lbs	36¼ lbs	31½ lbs	
6 In.	39¾ lbs	34¾ lbs	39¾ lbs	34¾ lbs		6 In.	41½ lbs	36½ lbs	41½ lbs	36½ lbs	

All styles, sizes and gauges packed 2 dozen to the corrugated shipping container.



{Barnes}

# Barnes

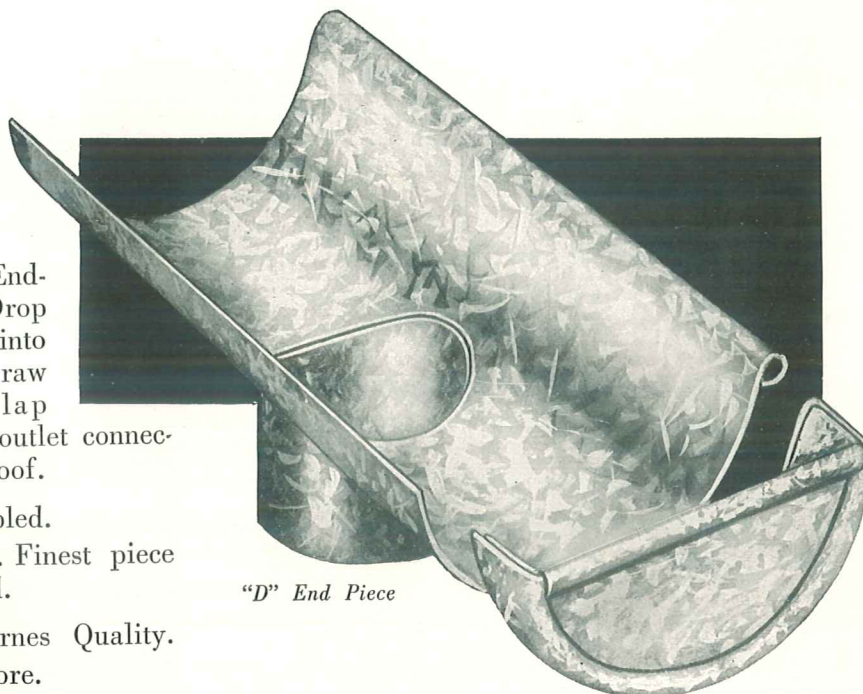
*Super-Self-Draining End and Outlet with Lock-Tite End Cap*  
is the BEST by TEST. Not Soldered

All Sizes  
and Metals  
in both  
single or  
double  
bead

In Barnes End-  
pieces the Drop  
is seamed into  
place—no raw  
edges, no lap  
seams at the outlet connec-  
tion. Leak-proof.

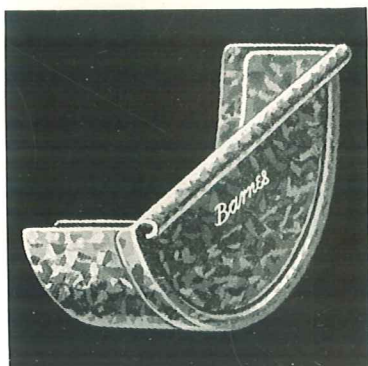
Easily assembled.  
No soldering. Finest piece  
ever produced.

Insist on Barnes Quality.  
It costs no more.



"D" End Piece

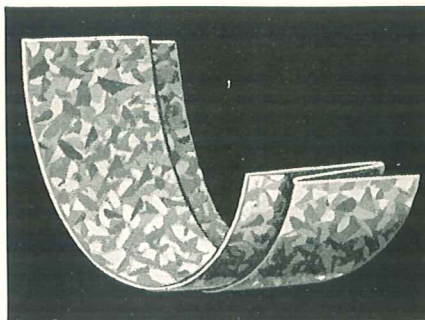
"A" when complete with end cap.



"C" End



"B" Drop



"S" Connection

The end cap has a semi-circular bead and stiffening rib, a lock seam that requires no solder, a slip connection that fits quickly and securely on the end piece or eaves-trough.

The Barnes Drop whether ordered separately or assembled to the end piece, is tightly seamed, strong and accurately tapered to fit the pipe.

The Barnes Slip-Joint Connection is made of durable metal in all eaves-trough sizes. It is a convenient and substantial fastener when guttering is joined end to end, or when used in connection with end-pieces or mitres. No solder required. Affords those few inches of additional length so often required.

# Barnes

## Barnes Ends and Outlets

List Price Per Dozen

Made from Galvanized Steel, Armco, Gohi and Toncan Metal and Galvanized Copper Bearing Steel

No. 28, No. 26 and No. 24 Gauges — Sizes	2"	3"	3½"	4"	5"	6"	7"
"B" Drop or Outlet Only	\$1.20	\$1.45	—	\$1.80	\$2.35	\$2.90	—
"C" Slip End Caps Only	—	—	\$1.80	1.90	2.00	2.40	2.90
"D" End Piece with "B" Outlet, Single Bead	—	—	3.40	3.70	4.25	4.90	5.50
"D" End Piece with "B" Outlet, Double Bead	—	—	4.15	4.35	4.90	5.60	6.45
"A" End Piece with "B" Outlet, and "C" Slip End Cap, Single Bead	—	—	5.20	5.60	6.25	7.30	8.40
"A" End Piece with "B" Outlet, and "C" Slip End Cap, Double Bead	—	—	5.95	6.25	6.90	8.00	9.35
"S" Slip Joint Connection	—	—	1.15	1.25	1.35	1.70	1.90

### Shipping Weights

SIZE		2"		3"		3½"		4"		5"		6"	
GAUGE		#28	#26	#28	#26	#28	#26	#28	#26	#28	#26	#28	#26
"B"	Per Dozen	1¼ lbs	1½ lbs	2 lbs	2¼ lbs	—	—	2½ lbs	3½ lbs	4½ lbs	5½ lbs	6 lbs	7 lbs
"C"	Per Dozen	—	—	—	—	1 lb	1½ lbs	1½ lbs	1¾ lbs	2½ lbs	2½ lbs	3 lbs	3½ lbs
"D" Sgl. Bead	Unit 5 Doz.	—	—	—	—	35 lbs	44 lbs	40 lbs	46 lbs	49 lbs	56 lbs	60 lbs	73 lbs
"D" Dbl. Bead	Unit 5 Doz.	—	—	—	—	43 lbs	50 lbs	44 lbs	51 lbs	56 lbs	65 lbs	67 lbs	80 lbs
"A" Sgl. Bead	Unit 5 Doz.	—	—	—	—	40 lbs	51½ lbs	47 lbs	54 lbs	60 lbs	68½ lbs	75 lbs	90 lbs
"A" Dbl. Bead	Unit 5 Doz.	—	—	—	—	48 lbs	57½ lbs	51 lbs	60 lbs	66 lbs	78 lbs	82 lbs	98 lbs
"S"	Per Dozen	—	—	—	—	1½ lbs	1¾ lbs	1¾ lbs	2 lbs	2½ lbs	3 lbs	3 lbs	3½ lbs

List Price Per Dozen

Made from Pure Copper and Zinc

16 and 14 Ounce Copper, No. 11 Zinc — Sizes	2"	3"	3½"	4"	5"	6"	7"
"B" Drop or Outlet Only	\$3.60	\$4.80	—	\$6.00	\$7.20	\$8.40	—
"C" Slip End Cap Only	—	—	4.80	4.80	6.00	6.60	7.80
"D" End Piece with "B" Outlet, Single Bead	—	—	11.40	12.60	13.20	15.60	19.20
"D" End Piece with "B" Outlet, Double Bead	—	—	14.40	15.60	16.20	18.60	22.20
"A" End Piece with "B" Outlet, and "C" Slip End Cap, Single Bead	—	—	16.20	17.40	19.20	22.20	27.00
"A" End Piece with "B" Outlet, and "C" Slip End Cap, Double Bead	—	—	19.20	20.40	22.20	25.20	30.00
"S" Slip Joint Connection	—	—	3.00	3.25	3.50	4.25	4.75

### Shipping Weights

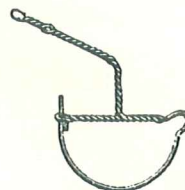
SIZE		2"		3"		3½"		4"		5"		6"	
GAUGE		16 oz.	#11	16 oz.	#11	16 oz.	#11	16 oz.	#11	16 oz.	#11	16 oz.	#11
"B"	Per Dozen	2 lbs	1½ lbs	2¼ lbs	2 lbs	—	—	3¾ lbs	3½ lbs	6 lbs	5½ lbs	9 lbs	7 lbs
"C"	Per Dozen	—	—	—	—	1½ lbs	1¾ lbs	1¾ lbs	1¾ lbs	3 lbs	2½ lbs	3¾ lbs	3½ lbs
"D" Sgl. Bead	Unit 5 Doz.	—	—	—	—	50 lbs	44 lbs	53 lbs	46 lbs	64 lbs	56 lbs	100 lbs	73 lbs
"D" Dbl. Bead	Unit 5 Doz.	—	—	—	—	57 lbs	50 lbs	59 lbs	51 lbs	77 lbs	65 lbs	113 lbs	80 lbs
"A" Sgl. Bead	Unit 5 Doz.	—	—	—	—	58 lbs	51½ lbs	63 lbs	54 lbs	79 lbs	68½ lbs	120 lbs	90 lbs
"A" Dbl. Bead	Unit 5 Doz.	—	—	—	—	65 lbs	57½ lbs	69 lbs	60 lbs	92 lbs	78 lbs	133 lbs	98 lbs
"S"	Per Dozen	—	—	—	—	2 lbs	1¾ lbs	2¼ lbs	2 lbs	3 lbs	2¾ lbs	3¾ lbs	3¼ lbs



# Barnes

## BARNES Triple Twisted Wire Eaves-Trough Hangers

Inexpensive yet strong. Easy to apply. Machine made.  
Heavy gauge wire. Well centered shank. Firm fit on bead.



All Wire Hangers packed  
with 8 dozen 7 inch and  
4 dozen 9 inch Shanks,  
unless otherwise ordered

### For Single or Double Bead Galvanized Wire

List Prices—Per Gross

Size	3½"	4"	5"	6"	7"	8"
Single Bead	\$2.75	\$2.75	\$3.00	\$3.50	\$4.00	\$4.50
Wt. Per Gro. Carton	18 lbs	19 lbs	22 lbs	25 lbs	27 lbs	31 lbs
Double Bead	\$3.00	\$3.00	\$3.25	\$3.75	\$4.25	\$4.75
Wt. Per Gro. Carton	19 lbs	20 lbs	23 lbs	26 lbs	28 lbs	32 lbs

Extras—Galv. Hgrs.

For all 9 inch Shanks  
add 25 cents to List.

For all 11 inch Shanks  
add 50 cents to List.

For all 13 inch Shanks  
add 75 cents to List.

### Copper Wire

List Prices—Per Gross

Size	3½"	4"	5"	6"	7"	8"
Single Bead	\$7.00	\$7.50	\$9.25	\$10.50	\$12.00	\$13.50
Wt. Per Gro. Carton	21 lbs	22 lbs	25 lbs	28 lbs	30 lbs	34 lbs
Double Bead	\$8.00	\$8.50	\$10.25	\$11.50	\$13.00	\$14.50
Wt. Per Gro. Carton	22 lbs	23 lbs	26 lbs	29 lbs	31 lbs	35 lbs

Extras—Copper Hang-  
ers.

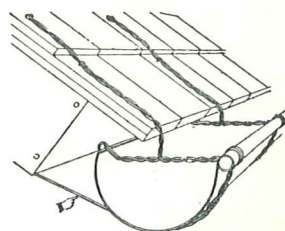
All 9 inch Shanks add  
\$1.00 to List.

All 11 inch Shanks add  
\$2.00 to List.

All 13 inch Shanks add  
\$3.00 to List.

## "Extension Wire" Eaves- Trough Hangers

All the stems are made long which makes sorting unneces-  
sary, and being tied in bunches of one dozen makes them  
the most convenient to handle.



The bottom brace holds  
trough rigid

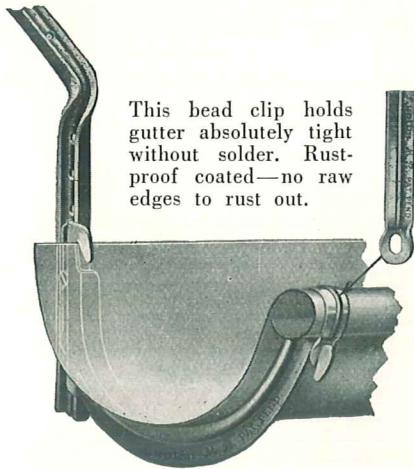
### Galvanized Wire Only

List Prices—Per Gross

Size	3½"	4"	5"	6"	7"
Single Bead	\$2.75	\$2.75	\$3.00	\$3.50	\$4.00
Wt. Per Gro. Carton	18 lbs	20 lbs	22 lbs	24 lbs	28 lbs
Double Bead	\$3.25	\$3.25	\$3.50	\$4.00	\$4.50
Wt. Per Gro. Carton	19 lbs	21 lbs	23 lbs	25 lbs	29 lbs

Packed 1 gross in a corrugated fibre box

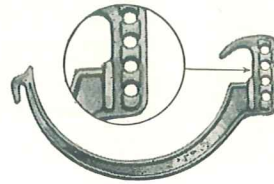
## Shanks and Circles Carry the Load!



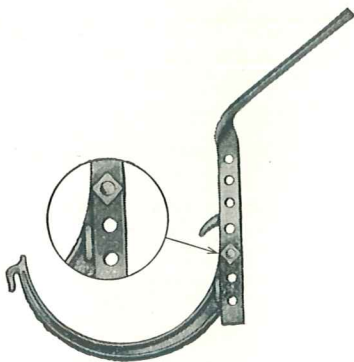
The outstanding characteristics of the Shank are its strength and convenience—the result of correct design. There are three long bearing surfaces where Circle joins Shank; the bolt serves only to connect the two while the load is carried by the contact of the bearing surfaces. The Shank is a fitting partner to the Circle. Gutter hung on this combination can withstand any load of water, ice or snow. The heavier the load the more rigid the hangers become.

## Malleable Circles

Made with a projected rib on side of circle to rest against the stem of the shank, thus creating a bearing surface that eliminates direct weight on bolt when subject to load or stress, and throws the weight against the shank.



The Section of the Circle that fits into the Channel of the Shank is made with a sharp elevation. This fits snugly into the channel preventing the circle from shifting or sliding out of the Shank when subject to vibration, weight or stress. These two features insure a strong permanent job.



This Shank and Circle is unique and unusual. It is designed to stand up under long and severe wear. Being practical in design it is easily applied, therefore a time-saver on the job.

Shanks and Circle run absolutely uniform in size, and are made in single or double bead Circles, all types of Shanks, in plain steel, rust-proof coated steel and copper.

Sturdy in construction—practical in design

Try them on your next job.



## Steel and Copper Shanks

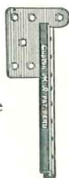
Stronger in every way, this new Hanger will support and carry the load of water, ice or snow.

## Malleable and Bronze Shanks

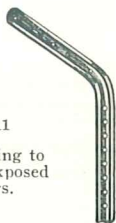
No. 6  
Made to nail against "O. G." mouldings.



No. 10  
For nailing against square box cornices.



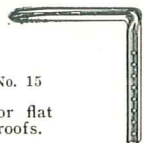
No. 11  
For nailing to side of exposed rafters.



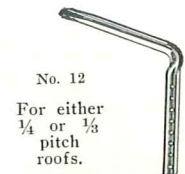
No. 25  
For 1/2 pitch or steep roofs.



No. 15  
For flat roofs.



No. 12  
For either 1/4 or 1/3 pitch roofs.

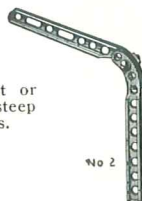


Extension Shank 6 in. long, 5 in. extension.

For awnings and corrugated roofs.



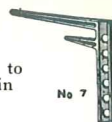
For flat or extra steep roofs.



For various shaped mouldings.



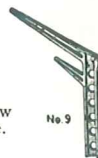
Will drive 3 in. to 4 in. square in cornice.



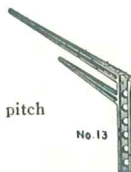
For eaves where shingles project far over cornice.



Suited for narrow moulded cornice.



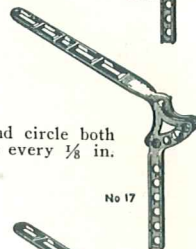
Drives with pitch of roof.



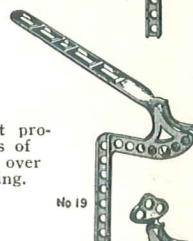
Fastens under shingle.



Hinge and circle both adjust to every 1/4 in.



For short projections of shingles over moulding.



Can be nailed or screwed to mouldings at any angle.



### Shanks

List Price Per 100 Pcs.	Malleable or Steel		Weight per 100 Pcs.	Bronze	Weight per 100 Pcs.	Copper	Weight per 100 Pcs.
	Plain	Coated					
No. 1 Shank Complete	\$15.00	\$18.00	19 lbs	\$35.00	30 lbs		
No. 1 " Plates only	9.00	10.80	8 lbs				
No. 1 " Stems	6.00	7.20	11 lbs				
No. 2 " Complete	12.00	14.40	22 lbs	31.00	26 lbs		
No. 2 " Plates only	6.00	7.20	12 lbs				
No. 2 " Stems	6.00	7.20	10 lbs				
No. 5 " Complete	12.00	14.40	22 lbs	27.00	23 lbs		
No. 5 " Plates only	5.00	6.00	11 lbs				
No. 5 " Stems	7.00	8.40	11 lbs				
No. 6 " Assorted	9.00	10.80	13 lbs			\$25.00	16 lbs
No. 6 " All Long	10.00	12.00	14 lbs				
No. 7 " Assorted	7.00	8.40	13 lbs	16.00	16 lbs		
No. 7 " All Long	10.00	12.00	15 lbs				
No. 8 " Assorted	10.00	12.00	19 lbs	24.00	21 lbs		
No. 8 " All Long	7.00	8.40	14 lbs	18.00	17 lbs		
No. 9 " Assorted	7.00	8.40	10 lbs	22.00	19 lbs	15.00	12 lbs
No. 10 " All Long	8.00	9.60	12 lbs				
No. 10 " Assorted	8.00	9.60	13 lbs	24.00	22 lbs	19.00	17 lbs
No. 11 " All Long	9.00	10.80	15 lbs				
No. 11 " Assorted	8.50	10.20	14 lbs	28.00	25 lbs	19.00	16 lbs
No. 12 " All Long	9.50	11.40	16 lbs				
No. 12 " Assorted	10.00	12.00	20 lbs	22.00	22 lbs	19.00	16 lbs
No. 15 " All Long	8.50	10.20	14 lbs				
No. 15 " Assorted	9.50	11.40	16 lbs				
No. 16 " Complete	15.00	18.00	27 lbs	38.00	33 lbs		
No. 16 " Plates only	8.00	9.60	16 lbs				
No. 16 " Stems	7.00	8.40	11 lbs				
No. 17 " Complete	15.00	18.00	35 lbs	38.00	34 lbs		
No. 17 " Plates only	9.00	10.80	23 lbs				
No. 17 " Stems	6.00	7.20	12 lbs				
No. 19 " Complete	18.00	21.60	42 lbs	41.00	38 lbs		
No. 19 " Plates only	9.00	10.80	23 lbs				
No. 19 " Stems	9.00	10.80	19 lbs				
No. 20 " Complete	10.00	12.00	22 lbs	27.00	22 lbs		
No. 20 " Plates only	4.00	4.80	10 lbs				
No. 20 " Stems	6.00	7.20	12 lbs				
No. 25 " Assorted	8.50	10.20	14 lbs	28.00	25 lbs	19.00	16 lbs
No. 25 " All Long	9.50	11.40	16 lbs				
Extension Shanks	6.00	7.20	10 lbs			14.00	12 lbs

One bolt and nut included with each Hinged Shank.  
Shipping unit, 50 pieces to the box.

# Barnes



Single Bead

## Circles



Double Bead

Single Bead Per 100 Pcs. List Price Size	Malleable or Steel		Weight per 100 Pcs.	Copper	Weight Per 100 Pcs.	Bronze	Weight per 100 Pcs.
	Plain	Coated					
3 1/2"	\$ 6.50	\$ 7.80	13 lbs	\$18.50	15 lbs	\$18.50	15 lbs
4"	6.50	7.80	14 lbs	18.50	16 lbs	18.50	17 lbs
5"	7.50	9.00	18 lbs	20.00	19 lbs	20.00	22 lbs
6"	10.00	12.00	21 lbs	31.00	23 lbs	31.00	27 lbs
7"	15.00	18.00	35 lbs			40.00	39 lbs
8"	18.00	21.60	37 lbs			45.00	44 lbs
Double Bead							
3 1/2"	7.50	9.00	13 lbs	25.00	15 lbs	25.00	16 lbs
4"	7.50	9.00	17 lbs	25.00	20 lbs	25.00	18 lbs
5"	8.50	10.20	21 lbs	28.00	24 lbs	28.00	21 lbs
6"	11.00	13.20	25 lbs	35.00	29 lbs	35.00	27 lbs
7"	15.00	18.00	32 lbs			40.00	35 lbs
8"	18.00	21.60	36 lbs			45.00	46 lbs

Above lists include bolts and Circle Straps

Coated Bolts and Nuts with clips furnished for black and coated.

Brass Bolts and Nuts with copper clips furnished for Bronze and Copper.

## Circle Straps

This bead clip holds gutter absolutely tight without solder. Rust proof coated—no raw edges to rust out.



### List Prices

Per 100 Pcs.

COATED			COPPER		
65¢	1 lb per 100 Pieces	\$1.60	1 lb per 100 Pieces		

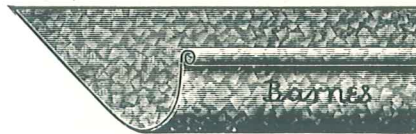


# Barnes

## Barnes Snug-Fit Roof Gutter

Barnes Roof Gutters are designed to permit maximum rain carrying efficiency. All styles, A, B, K and L, can be furnished in intermediate girths to order. Back of trough same height as front, but extra high backs can be furnished special to order.

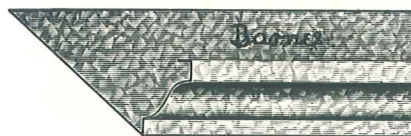
Fabricated from full weight, prime stock of Galvanized Steel, Galvanized Copper-bearing Steel, Galvanized Armco, Gohi or Toncan Metal, Zinc and pure Copper. All round beads  $\frac{5}{8}$  inch standard, unless otherwise specified. All 10' lengths.



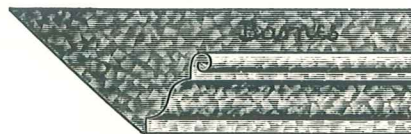
STYLE "A".	Girth	12"	14"	20"	24"	
	Depth	$3\frac{1}{4}"$	$4\frac{5}{8}"$	$5\frac{1}{2}"$	$6\frac{5}{8}"$	



STYLE "B".	Girth	12"	15"	20"	24"	
	Depth	$2\frac{3}{4}"$	$3\frac{1}{4}"$	4"	6"	



STYLE "K".	Girth	10"	12"	14"	15"	18"	20"	24"
	Depth	$2\frac{1}{4}"$	$2\frac{1}{2}"$	$3\frac{3}{4}"$	$3\frac{3}{4}"$	$4\frac{3}{4}"$	$4\frac{3}{4}"$	5"



STYLE "L".	Girth	10"	12"	14"	15"	18"	20"	24"
	Depth	$2\frac{1}{4}"$	$2\frac{1}{2}"$	$3\frac{3}{4}"$	$3\frac{3}{4}"$	$4\frac{3}{4}"$	$4\frac{3}{4}"$	5"

# Barnes

## Barnes Box Gutters



Style "C"

Girth	10"	12"	14"	16"
Size	4"	5"	6"	7"
Depth	2 1/2"	3 1/4"	3 3/4"	4 1/2"
Bottom	1 3/4"	2 1/4"	2 3/4"	3"
Front	3"	3 3/4"	4 3/8"	5 1/4"
Back	3 1/4"	4"	4 7/8"	5 3/4"



Style "D"

Girth	12"	15"	18"	20"
Size	5"	6"	7"	8"
Depth	3"	3 7/8"	5"	5 1/2"
Bottom	3 1/4"	4 5/8"	5 1/4"	6"
Front	3 1/2"	4 1/8"	5 1/4"	6"
Back	3 1/4"	4 1/4"	4 1/2"	6"



Style "E"

Girth	13"	16"	18"	22"
Size	5"	6"	7"	8"
Depth	3 1/2"	4 1/2"	5"	6 3/4"
Bottom	3"	3 5/8"	4 1/4"	4"
Front	4 5/8"	5 7/8"	6 1/2"	9"
Back	3 3/8"	4 1/2"	5 1/4"	7"



Style "F"

Girth	16"	18"	20"	22"
Size	5"	6"	7"	8"
Depth	4 1/2"	5 1/4"	5 1/2"	5 7/8"
Bottom	5"	6"	7"	8"
Front	4 1/2"	5 1/4"	5 1/2"	5 7/8"
Back	4 1/2"	4 3/4"	5 1/2"	6 1/8"



Style "G-OGEE"

Girth	10"	13"	15"	18"	22"
Size	3 1/2"	4"	5"	6"	8"
Depth	2 3/4"	4"	4 3/4"	6"	7 1/8"
Bottom	1 5/8"	2"	2 1/2"	3"	4"
Front	3 5/8"	5"	6"	7 3/4"	9 3/8"
Back	2 5/16"	4"	4 1/2"	5 1/4"	6 5/8"



Style "H-OGEE"

Girth	13"	15"	16"	18"
Size	5"	6"	7"	8"
Depth	3 1/2"	4 1/2"	4 3/4"	5 1/2"
Bottom	2"	2 1/2"	2 1/4"	2 1/2"
Front	4 1/2"	5 3/4"	6 3/8"	7 3/4"
Back	4 1/2"	5 1/4"	5 1/8"	5 3/4"



Style "I-OGEE"

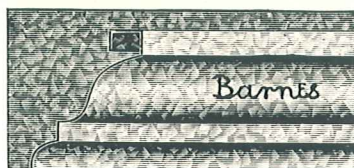
Girth	12"	15"	18"	20"
Size	4"	5"	6"	7"
Depth	4"	4 1/2"	5 1/2"	5 3/4"
Bottom	2 1/2"	3"	3 1/2"	4 1/4"
Front	4 3/4"	5 1/2"	6 3/4"	7 1/4"
Back	4"	5 3/4"	7"	7 3/4"

See Page 34 for Weights and List Prices



# Barnes

## Barnes Box Gutters



Style "J-Ogee"



Style "O"



Style "K"

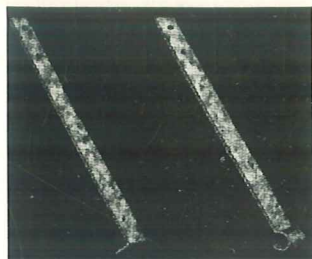
Girth	10"	12"	16"	18"	20"
Size	3 1/2"	4"	5"	6"	7"
Depth	3 1/4"	3 7/8"	4 3/4"	5 3/4"	6 3/8"
Bottom	1 3/4"	1 7/8"	2 1/4"	3"	3 1/4"
Front	4 1/8"	5"	6 1/4"	7 3/8"	8 5/8"
Back	3"	4"	6 3/8"	6 1/2"	7"

Girth	10"	11 1/2"	13"	16"	18"
Size	3"	3 1/2"	4"	5"	6"
Depth	2 1/2"	3 1/2"	3 1/2"	4"	5"
Bottom	2 1/8"	2 1/2"	3"	4"	5"
Front	2 7/8"	4"	3 7/8"	4 3/8"	5 3/8"
Back	3"	3"	4 1/8"	5 5/8"	5 5/8"

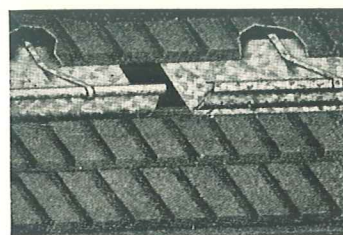
Girth	10"	12"	14"	16"
Size	3 1/2"	4 3/4"	6"	7"
Depth	3 3/8"	3 1/2"	4"	4 1/2"
Bottom	2 1/2"	3 1/4"	3 7/8"	4 1/2"
Front	3 7/8"	4 1/4"	5 1/8"	5 7/8"
Back	3 1/8"	4"	4 1/2"	5 1/8"

See Page 34 for Weights and List Prices

## Bar Hangers for Roof and Box Gutter



Made in one piece. Properly shaped. Both round and square bead. Inexpensive, yet strong. Real support for Gutters.



### List Price Each

(Style "S" for Square Bead. Style "R" for Round Bead.)

Size	10"	12"	14"	16"
No. 16 Gauge Galvanized Steel	12¢	13¢	14¢	15¢
48 Oz. (1/16" Thick) Copper	48¢	50¢	52¢	54¢

### Shipping Weight Per 100 Pieces

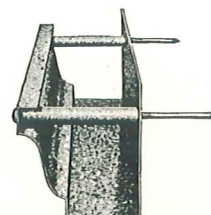
Size	10"	12"	14"	16"
No. 16 Gauge Galvanized Steel	23 lbs	27 lbs	30 lbs	34 lbs
48 Oz. Copper	25 lbs	30 lbs	35 lbs	39 lbs

## Gutter Spike and Ferrule



Spikes 3/16" x 7" List .02¢ Each  
 Spikes 1/4" x 8" List .03¢ Each  
 Ferrules—All Sizes .05¢ Each

Spikes are galvanized, half oval heads with chiseled points. Ferrules made from Galvanized Steel.



# **Barnes**

## **Box and Roof Gutter Mitres**

Barnes made Mitres insure rapid installations. Whether inside or outside corners, regardless of style or metal, Barnes Mitres fit properly, are square, rigid and match Barnes gutters correctly.

NOTE:—Be sure to specify gauge, metal, girth, style and whether inside or outside mitres are wanted.

### **LIST PRICE EACH OF BOX AND ROOF GUTTER MITRES**

Made from Galv. Steel, Copper Bearing Steel, Armco, Gohi and Toncan

Girth	10"	12"	13"	14"	15"	16"	18"	20"	22"	24"	26"	28"	30"
No. 29 Gauge	\$ .76	\$ .96	\$1.08	\$1.20	\$1.32	\$1.44	\$1.60	\$1.84	\$2.32	\$2.52	\$2.72	\$2.92	\$3.12
No. 28 Gauge	.80	1.00	1.16	1.28	1.40	1.52	1.68	1.92	2.40	2.60	2.80	3.00	3.20
No. 26 Gauge	.96	1.24	1.44	1.60	1.72	1.84	2.00	2.32	2.60	2.80	3.00	3.20	3.60
No. 24 Gauge	1.36	1.60	1.80	2.00	2.12	2.24	2.40	2.72	3.00	3.20	3.60	4.00	4.40

### **List Price Each Made from No. 11 Zinc and Copper**

Girth	10"	12"	13"	14"	15"	16"	18"	20"	22"	24"	26"	28"	30"
14 Oz. Copper	\$1.68	\$2.04	\$2.20	\$2.36	\$2.52	\$2.72	\$3.04	\$3.52	\$4.00	\$4.40	\$4.80	\$5.20	\$5.80
16 Oz. Copper	1.80	2.16	2.32	2.48	2.72	2.92	3.24	3.72	4.20	4.60	5.00	5.40	6.00
No. 11 Zinc	1.80	2.16	2.32	2.48	2.72	2.92	3.24	3.72	4.20	4.60	5.00	5.40	6.00

NOTE:—Intermediate Girths Take List Price of Next Higher Girth

## **Box and Roof Gutter Ends and Outlets**

Barnes again excels here, for like the Mitres, these pieces really fit readily and insure strength. Each piece is a time saver.

NOTE:—Be sure to specify gauge, metal, girth and style, right or left hand on End Caps, round or square Outlet Tubes.

See page number 35 for illustrations of both Box and Roof Gutter Mitres as well as Ends, Outlets and End Caps.

These various new fittings are pictured in the "BARNES STYLE" only, but inside or outside Mitres can be furnished in any style, size or metal of Box and Roof Gutter, as can the Ends with Outlets (either round or square).



# Barnes

## List Price Each of Box and Roof Gutter Ends and Outlets

Made from Galv. Steel, Copper Bearing Steel, Armco, Gohi and Toncan

Girth	10"	12"	13"	14"	15"	16"	18"	20"	22"	24"	26"	28"	30"
"O" End Piece (with L or E Outlet) No. 29 Gauge	\$ .57	\$ .72	\$ .81	\$ .90	\$ .99	\$1.08	\$1.20	\$1.38	\$1.74	\$1.89	\$2.04	\$2.19	\$2.34
Same No. 28 Gauge	.60	.75	.87	.96	1.05	1.14	1.26	1.44	1.80	1.95	2.10	2.25	2.40
Same No. 26 Gauge	.72	.93	1.08	1.20	1.29	1.38	1.50	1.74	1.95	2.10	2.25	2.40	2.70
Same No. 24 Gauge	1.02	1.20	1.35	1.50	1.59	1.68	1.80	2.04	2.25	2.40	2.70	3.00	3.30
"U" End Piece (with L or E Outlet and T End Cap) No. 29 Gauge	1.02	1.17	1.26	1.35	1.44	1.53	1.65	1.83	2.19	2.34	2.49	2.64	2.79
Same No. 28 Gauge	1.10	1.25	1.37	1.46	1.55	1.64	1.76	1.94	2.30	2.45	2.60	2.75	2.90
Same No. 26 Gauge	1.32	1.53	1.68	1.80	1.89	1.98	2.10	2.34	2.55	2.70	2.85	3.00	3.30
Same No. 24 Gauge	1.72	1.90	2.05	2.20	2.29	2.38	2.50	2.74	2.95	3.10	3.40	3.70	4.00
"T" End Caps No. 29 Gauge	ALL SIZES 45¢ EACH												
Same No. 28 Gauge	ALL SIZES 50¢ EACH												
Same No. 26 Gauge	ALL SIZES 60¢ EACH												
Same No. 24 Gauge	ALL SIZES 70¢ EACH												
"L" or "E" Outlet No. 29 Gauge	ALL SIZES 45¢ EACH												
Same No. 28 Gauge	ALL SIZES 50¢ EACH												
Same No. 26 Gauge	ALL SIZES 60¢ EACH												
Same No. 24 Gauge	ALL SIZES 70¢ EACH												

## List Price Each of Box and Roof Gutter Ends and Outlets

Made from No. 11 Zinc (.024" Thickness) and Copper

Girth	10"	12"	13"	14"	15"	16"	18"	20"	22"	24"	26"	28"	30"
"O" End Piece (with L or E Outlet) 14 Oz. Copper	\$1.26	\$1.53	\$1.65	\$1.77	\$1.89	\$2.04	\$2.28	\$2.64	\$3.00	\$3.30	\$3.60	\$3.90	\$4.35
Same 16 Oz. Copper	1.35	1.62	1.74	1.86	2.04	2.19	2.43	2.79	3.15	3.45	3.75	4.05	4.50
Same No. 11 Zinc	1.35	1.62	1.74	1.86	2.04	2.19	2.43	2.79	3.15	3.45	3.75	4.05	4.50
"U" End Piece (with L or E Outlet and T End Cap) 14 Oz. Copper	2.36	2.63	2.75	2.87	2.99	3.14	3.38	3.74	4.10	4.40	4.70	5.00	5.45
Same 16 Oz. Copper	2.60	2.87	2.99	3.11	3.29	3.44	3.68	4.04	4.40	4.70	5.00	5.30	5.75
Same No. 11 Zinc	2.60	2.87	2.99	3.11	3.29	3.44	3.68	4.04	4.40	4.70	5.00	5.30	5.75
"T" End Cap 14 Oz. Copper	ALL SIZES \$1.10 EACH												
Same 16 Oz. Copper	ALL SIZES 1.25 EACH												
Same No. 11 Zinc	ALL SIZES 1.25 EACH												
"L" or "E" Outlet 14 Oz. Copper	ALL SIZES 1.10 EACH												
Same 16 Oz. Copper	ALL SIZES 1.25 EACH												
Same No. 11 Zinc	ALL SIZES 1.25 EACH												

NOTE: Intermediate Girths Take List Price of Next Higher Girth.

# **Barnes**

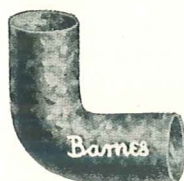
## Small Round Pipe and Elbows



All lock seamed

Galvanized after forming. Ten foot lengths. For use with lighting plants or drainage for porticos, refrigerators, etc.

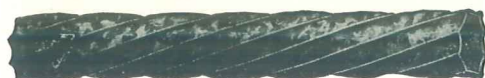
### List Prices



Size	Galv. Pipe	Galv. Elbows
1"	10¢ per Ft.	15¢ Each
1 1/4"	12¢ per Ft.	18¢ Each
1 1/2"	13¢ per Ft.	20¢ Each

## Ornamental Self-Cleaning Polygon Conductor Pipe

The fluting is spiral, with the seam following the flutes around the pipe.



The pipe is self-cleaning, as the action of the water, in following the spiral, clears out all foreign matter.



### List Prices

#### Polygon Conductor Pipe

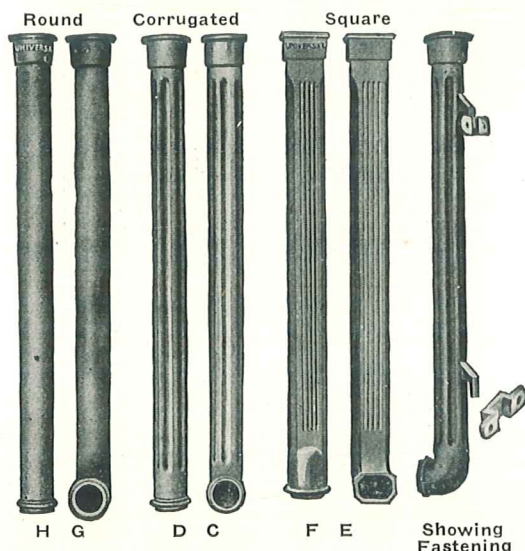
Galv'd. Armco Ingot Iron			16 Oz. Copper	
Size	No. 26	No. 24	Size	
2"	\$ .30 per ft.	\$ —	2"	\$ .37 per ft.
3"	.31 " "	.42	3"	.48 " "
4"	.39 " "	.52	4"	.62 " "
5"	.51 " "	.68	5"	.83 " "
6"	.63 " "	.84	6"	1.08 " "

#### Polygon Elbows and Shoes

Galv'd. Armco Ingot Iron			16 Oz. Copper		
Size	Elbows	Shoes	Size	Elbows	Shoes
2"	\$ .60 each	\$ .75	2"	\$ .90 each	\$1.05
3"	.70 " "	.85	3"	1.20 " "	1.35
4"	.90 " "	1.10	4"	1.80 " "	2.00
5"	1.35 " "	1.60	5"	2.75 " "	3.00
6"	1.70 " "	2.00	6"	3.75 " "	4.20

Stocked in 3 and 4-inch sizes of 16 ounce Copper and No. 26 gauge Galvanized Armco Ingot Iron. Other standard sizes made to order in reasonable quantities.

## Cast Iron Conductor Connections and Boots



### PRICE LIST—All 4 1/2 feet long

No. H & G each	No. D & C each	No. F & E each
3 inch \$10.90	\$11.20	\$12.50 2 3/4 x 3 1/2 inside top
4 inch 12.90	14.00	15.00 3 1/4 x 4 1/2 " "
5 inch 15.60	16.20	19.00 4 1/4 x 5 1/2 " "
6 inch 17.60	19.00	21.10 5 1/4 x 6 1/2 " "

The sizes listed are the sizes of standard galvanized conductors that fit into these cast connections at bottom of tapered bell. There is 1/4 in. clearance all round at the top of tapered bell.

No charge for Wall Brackets. 1 1/2 in. from wall regularly furnished; 2, 2 1/2 or 3 in. if required.

Save their cost in repairs and erection many times.



# Barnes

## Barnes Metal Barn Batten

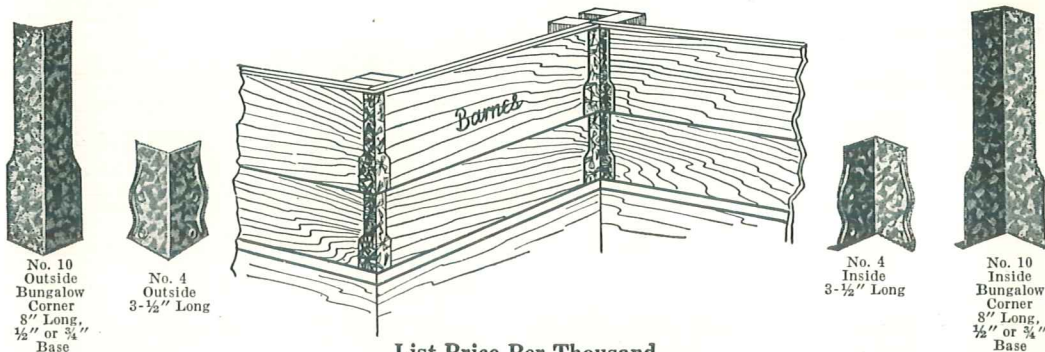


The special "V" shape formation of Barnes Galvanized Steel Barn Batten protects barns, sheds and other buildings from wind or rain and allows for warp or shrink of lumber. Outer edges turn down and center "V" fits between board openings.

Furnished in 6, 7, 8, 9, 10 or 12 foot lengths. List \$20.00 per 1000 ft. Bundled weight 135 lbs. per 1000 ft.

## Barnes Building Corners

Eliminate corner boards as well as curling of siding. Perfect mitre with Barnes building corners. Fabricated from galvanized steel for lap, drop or bungalow siding.



List Price Per Thousand

No.	Length	Coverage	Edge Type	Shipping Unit		Weight Per 1000	List
				Outside	Inside		
4	3 1/2"	3"	Beaded or Plain	500	250	80 lbs	\$24.00
6	4 1/2"	4"	Beaded or Plain	500	250	100 lbs	26.00
8	5 1/2"	5"	Beaded or Plain	500	250	120 lbs	28.00
10	8"	7"	Plain Only	250	250	170 lbs	40.00
12	10"	9"	Plain Only	250	250	180 lbs	44.50
14	5 3/8"	5"	Plain Only	500	—	120 lbs	32.00

Note: Beaded edges shipped unless plain ordered

## Barnes Combination Type Wall Ties

Wall Ties assure a wall against bulging or sagging—saves time lost in clipping bricks for bonds. Buy Herringbone or Anchor in the Standard Size from Barnes for we furnish the "Combination Type," so called, because both have punched nail holes permitting their use for either solid or veneer work.



Herringbone Patented Wall Tie. Flat Non-Stretch Center

The Herringbone Wall Tie has features of strength and utility that no builder can afford to overlook. It is made of galvanized steel, with angular corrugations.

These corrugations over-lap one another, forming semi-tubular ridges, each converging into an angle. The mortar in which the tie is set, forces itself into these angles and forms a series of wedges that increase in strength with every wall strain.

Standard Size 6 7/8" x 7/8"  
MADE IN 16 to 26 gauge Galv. Steel

Both Types—List Prices and Shipping Weights Per 1,000 Pieces



Anchor Wall Tie. Ridge Center suitable for general uses

The Standard Herringbone Tie is for use on hollow walls, in face brick work, or wherever bonds are required to hold brick work together.

Veneer Size 6" x 7/8"  
PACKED 1,000 TO THE BOX

26 Gauge		24 Gauge		22 Gauge		20 Gauge		18 Gauge		16 Gauge	
\$3.00	35 lbs	\$3.45	49 lbs	\$3.70	56 lbs	\$4.20	69 lbs	\$9.65	95 lbs	\$10.85	120 lbs

NOTE: Same list price on Veneer Type. Quotations furnished on sheet copper ties and Galvanized special lengths from 6 7/8" to 12".

# **Barnes**

## **Barnes Formed Valley**

Full weight, full girth, properly formed, one piece (no-seams) Valley fabricated into four popular styles from prime stock. All 10 foot lengths.



Style "A"



Style "B"



Style "C"



Style "W"

### **List Prices Per Linear Foot**

Made from Galv. Steel, Copper Bearing Steel, Toncan, Gohi and Armco

Girth	10"	12"	14"	16"	18"	20"	24"	28"	30"
No. 29 Gauge	19¢	24¢	30¢	36¢	40¢	46¢	60¢	70¢	75¢
No. 28 Gauge	20¢	25¢	32¢	38¢	42¢	48¢	65¢	75¢	80¢
No. 26 Gauge	24¢	31¢	40¢	46¢	50¢	58¢	70¢	80¢	90¢
No. 24 Gauge	34¢	40¢	50¢	56¢	60¢	68¢	80¢	\$1.00	\$1.10

Made from No. 11 Zinc (.024" Thickness) and Copper

Girth	10"	12"	14"	16"	18"	20"	24"	28"	30"
14 Oz. Copper	42¢	51¢	59¢	68¢	76¢	88¢	\$1.10	\$1.30	\$1.45
16 Oz. Copper	45¢	54¢	62¢	73¢	81¢	93¢	1.15	1.35	1.50
No. 11 Zinc	45¢	54¢	62¢	73¢	81¢	93¢	1.15	1.35	1.50

Weight in Lbs. Per 1000 Feet

(Same as Shown for Box and Roof Gutter, Page No. 34)

Note:—If crated, standard unit is 250 feet per crate. Formed Valley crates weight approximately 100 lbs. per 1000 feet.

## **V Angle Ridge Cap**



A plain, easily applied Ridge Capping, fabricated from full weight prime stock. 10 foot lengths.

### **List Prices—Per Linear Foot**

Same weight as Plain Ridge Roll, Page No. 44

Made from Galvanized Steel, Copper Bearing Steel, Toncan, Armco and Gohi

Girth, Inches	7	8	10	12	14
No. 29 Gauge	15¢	17¢	19¢	24¢	30¢
No. 28 Gauge	16¢	18¢	20¢	25¢	32¢
No. 26 Gauge	21¢	23¢	24¢	31¢	40¢
No. 24 Gauge	—	32¢	34¢	40¢	50¢

Made from No. 11 Zinc (.024" Thickness) and Copper

Girth, Inches	7	8	10	12	14
Copper 14 Oz.	25¢	28¢	33¢	40¢	56¢
Copper 16 Oz.	30¢	32¢	36¢	45¢	63¢
Zinc No. 11 Ga.	30¢	32¢	36¢	45¢	63¢



# Barnes

## Barnes Galvanized Roll Valley



Like all other footage, Barnes Roll Valley, regardless of metal desired, is full weight and girth, and fabricated from prime stock.

Regularly furnished in rolls of 50 and 100 foot lengths, double cross locked seam. This represents the strongest type of joint. Can also be furnished with single lock soldered seam.

### 50 or 100 FOOT ROLLS

#### List Prices Per Linear Foot

Made from Galv. Steel, Copper Bearing Steel, Toncan, Gohi and Armco

Girth	10"	12"	14"	16"	20"	24"	28"	30"
No. 29 Ga.	19¢	24¢	30¢	36¢	46¢	60¢	\$ .70	\$ .75
No. 28 Ga.	20¢	25¢	32¢	38¢	48¢	65¢	.75	.80
No. 26 Ga.	24¢	31¢	40¢	46¢	58¢	70¢	.80	.90
No. 24 Ga.	34¢	40¢	50¢	56¢	68¢	80¢	1.00	1.10

Made from No. 11 Zinc (.024" Thickness) and Copper

Girth	10"	12"	14"	16"	18"	20"
14 Oz.	30¢	36¢	44¢	52¢	62¢	72¢
16 Oz.	33¢	40¢	48¢	57¢	67¢	78¢
No. 11 Zinc	33¢	40¢	48¢	57¢	67¢	78¢

Weight In Lbs Per 1,000 Feet

(Same as Shown for Box and Roof Gutter, Page No. 34.)

Barnes Roll Valley can also be furnished in 50 and 100 Ft. rolls 10, 14, 20 or 28 inches wide, double cross locked, in 8, 15, 20, 25, 30 and 40 lb. coating. Not painted, painted one side or both.

## Barnes Roll Flashing

8 lb. coated tin furnished in 4, 5, 6, 7, and 8 inch widths, painted or not. Also in Zinc and Copper.

## Barnes Flat Flashing Shingle



Made in sizes 4 x 5 inches, 5 x 7 inches and 7 x 10 inches in Galvanized Steel, Galvanized Copper-bearing Steel, Armco, Gohi, Toncan, No. 11 Zinc and Copper.

# Barnes

## Barnes Plain Ridge Roll



The full girth as furnished by Barnes insures full nailing flange. Easily and quickly applied. Insist on Barnes for perfect-fitting neat and tight ridges.

### List Price Per Linear Foot

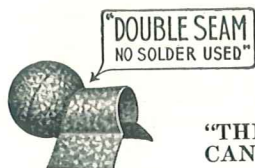
Made from Galv. Steel, Copper Bearing Steel, Toncan, Armco and Gohi

Girth, Inches Roll, Inches	7 1 1/4		8 1 1/2		10 2		12 2 1/2		14 3	
29 Gauge Steel	15¢	419 lbs	17¢	479 lbs	19¢	600 lbs	24¢	718 lbs	30¢	839 lbs
28 Gauge Steel	16¢	456 lbs	18¢	521 lbs	20¢	651 lbs	25¢	781 lbs	32¢	912 lbs
26 Gauge Steel	21¢	529 lbs	23¢	604 lbs	24¢	756 lbs	31¢	906 lbs	40¢	1057 lbs
24 Gauge Steel	30¢	675 lbs	32¢	771 lbs	34¢	964 lbs	40¢	1156 lbs	50¢	1349 lbs

### Made from No. 11 Zinc (.024" Thickness) and Copper

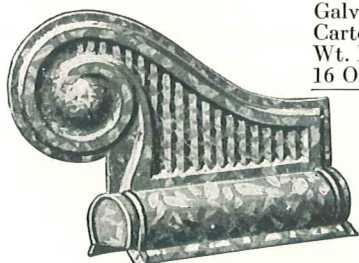
Girth, Inches Roll, Inches	7 1 1/4		8 1 1/2		10 2		12 2 1/2		14 3	
14 Oz. Copper	25¢	511 lbs	28¢	584 lbs	33¢	730 lbs	40¢	875 lbs	56¢	1021 lbs
16 Oz. Copper	30¢	584 lbs	32¢	667 lbs	36¢	834 lbs	45¢	1000 lbs	63¢	1167 lbs
No. 11 Zinc	30¢	526 lbs	32¢	600 lbs	36¢	750 lbs	45¢	900 lbs	63¢	1050 lbs

Note: When crated, approximately 100 lbs of wood to the 1,000 Ft.  
Weights shown above are per 1,000 feet bundled.



**"THE BALL THAT  
CAN'T FALL OFF"**

Made of Terne Plate  
Galvanized  
After Assembled



Length, 10 inches; height, 8 inches.  
Galvanized after Formed

Made to Fit 1 1/4, 1 1/2, and 2-in.  
Ridge Roll

## Ridge Roll Finials

Finials add the finishing touch to a neat looking metal roof and close the gable ends of the ridge roll, keeping out birds, dirt and moisture.

### No. 5 Globe Finial

#### List Price Per Dozen

Roll Size	1 1/4"	1 1/2"	2"	2 1/2"
Ball Diameter	2 1/2"	2 1/2"	3 1/2"	4"
Galv. Terne	\$4.00	\$4.00	\$5.00	\$6.00
Carton Unit	5 Doz.	5 Doz.	5 Doz.	—
Wt. Per Carton	16 lbs	17 lbs	28 lbs	—
16 Oz. Copper	\$24.00	\$24.00	\$27.60	\$32.40

### No. 915 Gable Finial

It is perfect in formation, beautiful in appearance, and sound in construction—the most distinctive finial obtainable.

#### List Price Per Dozen

Roll Size	1 1/4"	1 1/2"	2"
Galv. Terne	\$6.00	\$6.00	\$6.00
Carton Unit	2 Doz.	2 Doz.	2 Doz.
Carton Weight	15 1/2 lbs	16 lbs	17 lbs
16 Oz. Copper	\$42.00	\$42.00	\$42.00

Finish the job right by using Barnes No. 5 Globe or No. 915  
Gable Finials with plain ridge roll.



# Barnes

## Barnes Continuous Ornamental Ridging



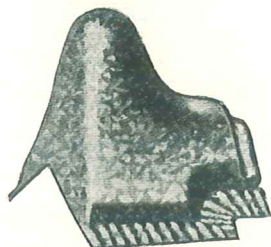
Starter



Made in 5 and 10 foot lengths

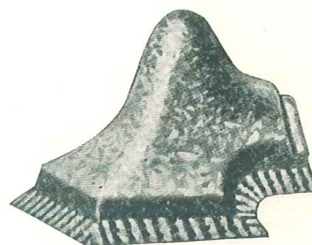
Full weight and girth is assured in this splendid product. Continuous Ridging is quickly and easily applied. Properly holds roofing ridges in place. The Barnes design gives an exceptional ornamental finish to any building whether roofed with wood or asphalt shingles, or the so-called composition type.

### Use a Starter at Eaves of Every Hip



No. 9 Gable Finial

The finishing touch to a Barnes Continuous Ornamental Ridging equipped roof is the Barnes Finial. Use the No. 9 for Gables and the No. 11 for Hips. Again quality first as these Finials are electro-welded and galvanized after formation.



No. 11 Hip Finial

## Barnes Continuous Hip Shingles



Starter



5 or 10 foot lengths

Continuous Hip Shingle offers an inexpensive and quickly applied hip covering. Again the Barnes designs excels as this finish lends attractiveness to any type of building.

### List Price Per Foot

Metal and Gauge	No. 29 Gauge Steel		No. 28 Gauge Steel		No. 26 Gauge Steel		No. 11 Gauge Zinc		14 Oz. Copper		16 Oz. Copper	
8" Girth, 5' or 10' long Continuous Ornamental Ridging	08¢	479 lbs	09¢	521 lbs	10¢	604 lbs	30¢	600 lbs	27¢	584 lbs	30¢	667 lbs
5" Girth, 5' or 10' long Continuous Hip Shingle	05¢	300 lbs	06¢	325 lbs	07¢	378 lbs	20¢	375 lbs	17¢	365 lbs	20¢	417 lbs

Weights shown above are per 1000 feet bundled

### Starter and Finial List Price Each

Metal	Galvanized	16 Oz. Copper
8" Girth Cont. Ornamental Ridge Starter	14¢	\$1.50 Each
8" Girth Cont. Ornamental Ridge No. 9 Gable Finial	70¢	3.50 Each
8" Girth Cont. Ornamental Ridge No. 11 Hip Finial	70¢	4.00 Each
5" Girth Cont. Hip Shingle Starter	07¢	.75 Each

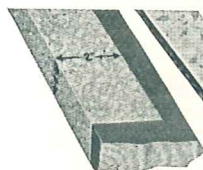
# **{Barnes}**

## **Barnes Eaves Drip and Edging**

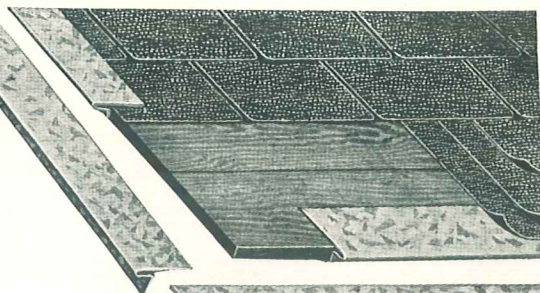
Galvanized Steel Eaves Drip and Roof Edging play a very important part in conjunction with composition roofing and asphalt shingles. They prevent corner curling and protect edges from storms. The appearance of the roof is greatly enhanced by these straight, edge trimmings when used at eaves and gables.

Style "A" Roof Edge  
3" Girth

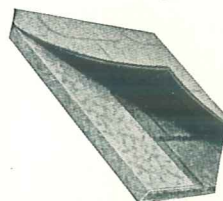
All 10 foot lengths



Style "B"  
3 Inch  
Galvanized  
Roof Edging



Style "C" Roof Edge  
or Eaves Drip 5" Girth



Application of Eaves Drip  
and Roof Edging on a  
Composition Shingle Roof



Style "D" 5 Inch Galvanized Eaves Drip

Style	Girth	Price Per 100 Lineal Feet	Weight Standard Gauge
"A" Roof Edge	3"	\$3.75	180 lbs
"B" Roof Edge	3"	4.50	180 lbs
"C" Roof Edge or Eaves Drip	5"	5.50	300 lbs
"D" Eaves Drip	5"	6.25	300 lbs

Weights shown are per 1000 feet in bundles.

### **The Embossed Trade Mark**

# **Barnes**

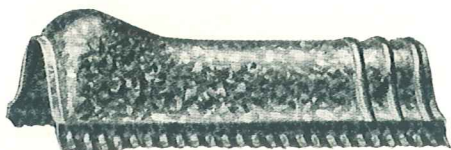
Means:

**Reliable, Square-Deal Products**  
**Full-Weight Material**  
**Exclusive Appearance**



# Barnes

## Barnes Ridge and Hip Tile

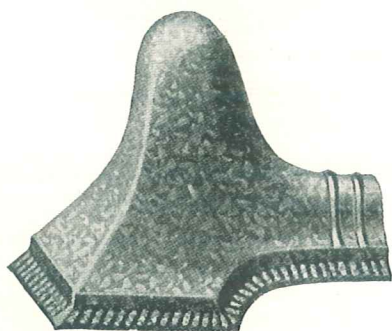


*No. 922 Ridge and Hip Tile*



*No. 922-A Starter for Hip Tile*

Weather-proof the roofs of all buildings with this practical and ornamental group of Barnes Trimmings, whether wood or asphalt shingles or composition roofing is used. Barnes Tile insures perfect fit. Are adjustable. Size 14" long offering large coverage with plenty of lap allowed on each end.



*No. 923 Hip Finial*



*No. 924 Gable Finial*

The Finials are electro-welded and galvanized after formation.

### LIST PRICE

	No. 922 Ridge or Hip Tile	No. 922-A Tile Starter	No. 923 Tile Hip Finial	No. 924 Tile Gable Finial
Galvanized Steel	10¢ Each	20¢ Each	\$ 1.20 Each	\$ 1.20 Each
Terne and Galvanized	10¢ Each	20¢ Each	1.20 Each	1.20 Each
Copper	\$2.00 Each	4.00 Each	16.00 Each	16.00 Each
Terne Painted Red or Green	.085¢ Each	17¢ Each	1.10 Each	1.10 Each

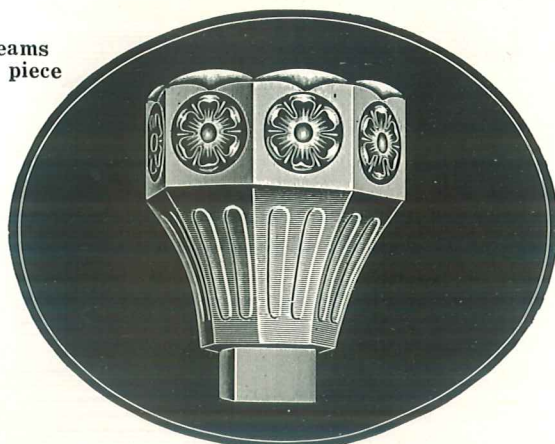
**WHERE Quality Counts**

**BARNES is First Choice**

# Barnes

Top of Head—One piece, no seams  
Bottom of Head—A solid one piece plate

**Leader Heads**  
**For the Attractive Job**  
**"FLEUR-DE-LIS"**



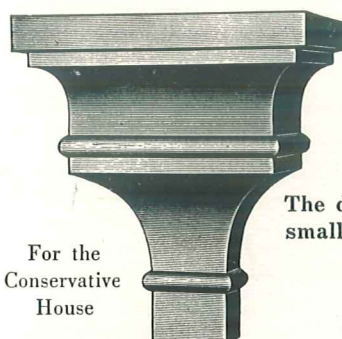
**HEAD MEASURES**  
6" projection, 9" wide at top, 10" high exclusive of outlet  
Outlets for 3" or 4" Round Leader and 2 x 3" or 3 x 4" Sq. Corr. Leader

**LIST PRICE EACH**  
**Round or Square Outlet Tube**

Size	3"	4"
26 C. B. Galv. Steel	\$ 6.00	7.00
16 Oz. Copper	10.00	11.00

Weight 2 lbs each

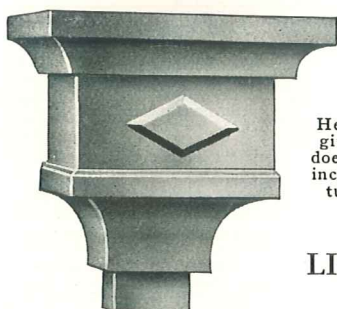
For best results place leader strap 1 inch below head



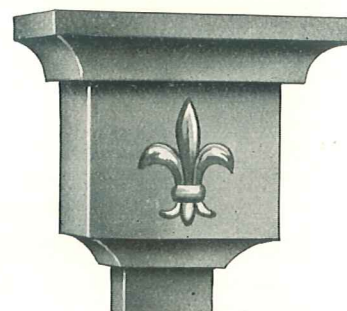
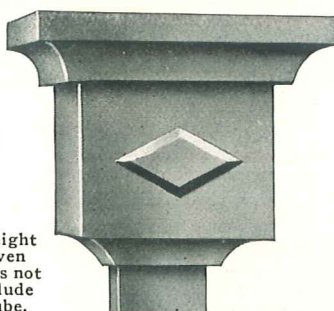
For the  
Conservative  
House

"COLONIAL"	Head Measurements			List Price No. 26	List Price
	Face	Depth	Height	C.B. Galv. Steel	16 Oz. Copper
3" Rd. Pipe Outlet	11 1/4"	7 1/2"	9 5/8"	\$8.00 Each	\$11.00 Each
4" Rd. Pipe Outlet	12 1/4"	8 1/2"	9 5/8"	9.00 Each	12.00 Each
3" Sq. Pipe Outlet	10 1/2"	5 3/4"	9 5/8"	8.00 Each	11.00 Each
4" Sq. Pipe Outlet	11 1/4"	6 1/2"	9 5/8"	9.00 Each	12.00 Each

The design Style No. 1 Diamond gives it lines that look well on both small or large houses. Styles No. 2 and No. 3 have been designed for small or medium sized homes only.



Height  
given  
does not  
include  
tube.



**STYLE No. 2 DIAMOND OR STYLE No. 3 FLOWER**

**LIST PRICE EACH**

**STYLE No. 1 DIAMOND**  
**Round or Square Outlet Tube**

Pipe Size	3 in.	4 in.
Face Dimension	9 in.	10 in.
Depth Dimension	5 1/2 in.	6 in.
Height Dimension	7 1/2 in.	7 1/2 in.
No. 26 Galv. Steel	\$7.00	\$8.00
Weight Each	1 1/2 lb.	2 lb.
16 Oz. Copper	\$10.00	\$11.00
Weight Each	1 3/4 lb.	2 1/2 lb.

Pipe Size	2 in.	3 in.	4 in.	5 in.	6 in.
Face Dimension	9 in.	10 in.	11 in.	11 3/4 in.	13 in.
Depth Dimension	5 1/2 in.	6 in.	6 1/2 in.	7 1/4 in.	8 1/4 in.
Height Dimension	9 in.	9 in.	9 in.	9 in.	9 in.
No. 26 Galv. Steel	\$7.00	\$8.00	\$9.00	\$10.00	\$11.00
Weight Each	1 3/4 lb.	2 lb.	2 1/2 lb.	3 lb.	3 1/2 lb.
16 Oz. Copper	\$10.00	\$11.00	\$12.00	\$13.00	\$14.00
Weight Each	2 lb.	2 1/4 lb.	2 1/2 lb.	3 lb.	3 1/2 lb.



## Metal Lath

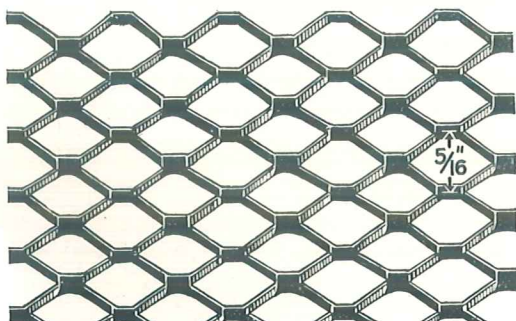
Metal Lath is the logical base and reinforcement for all types of plastering. It constitutes the most economical form of fire protection.

**Reinforcing Value.** Metal Lath reinforced walls and ceilings are better able to resist the strain occasioned by settlement of foundations, wind storms, earthquakes, impact, vibration, etc., and to retain their firm, smooth surface, unmarred by cracks. Plaster applied over Metal Lath dries evenly and can be decorated as soon as dry.

**Fire Resistive Qualities.** Metal Lath walls and ceilings covered with three-coat plastering have been accorded a one hour Fire Safety rating by the Underwriters.

## Small Mesh Lath

**Most Economical—Most Efficient of all Plastering Bases**



(Small "Junior" Mesh)

A base and reinforcement for all types of plain and ornamental plastering, and fireproofing. The mesh is one-sixth smaller than regular diamond mesh lath—a feature which provides many distinct advantages to the lather and plasterer and makes possible "steel-strengthened plastering" at low cost.

Small Mesh Metal Lath sheets are rigid and are easy to erect over all types of construction. They provide a smooth, firm working base for the plasterer and "keys" perfectly.

The "small (junior) diamond" type of Diamond Mesh Lath is standard. The "regular" ( $\frac{3}{8}$  inch) Diamond Mesh can be also furnished when specified.

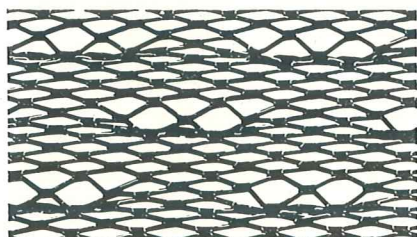
**Stock Sizes and Weights**

Weight per Sq. Yard	Sheets per Bundle	Yards per Bundle	Weight per Bundle
2.2 lbs	9	16	35.2 lbs
2.5 lbs	9	16	40.0 lbs
3.0 lbs	9	16	48.0 lbs
3.4 lbs	9	16	54.4 lbs

Regular size of sheets 24"x96". Furnished cut from Standard Steel painted black. 3.4, 3.0 and 2.5 lb. can be furnished cut from Pure Iron sheet, 3.4 and 2.5 lb. from Galvanized sheet.

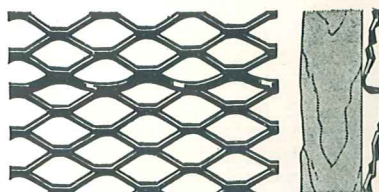
*NOTE:—All weights are also furnished cut from the Famous Rust-Resisting (Keystone) Copper Bearing Steel.*

## Self-Furring Metal Lath



Self-Furring Metal Lath is a type of Diamond Mesh Lath, having "dimple" indentures,  $\frac{3}{8}$  inch deep formed in the sheet, staggered  $1\frac{1}{2}$  inches apart throughout the sheet. It is widely used as a base for stucco or wherever a self-furring lath is required. Furnished in same weights, materials and size as small Diamond Mesh Lath.

## Corrugated Metal Lath

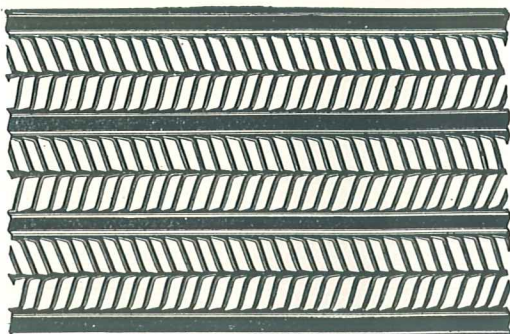


Corrugated Lath is a Diamond Mesh Lath, with continuous "straight line" corrugations running lengthwise thru sheet, spaced  $1\frac{5}{8}$  inches apart. This type of self-furring lath is preferred by many for stucco construction and some types of interior plastering. Furnished in same weights, materials and size as small Diamond Mesh Lath.



## 1/8" Flat Rib Lath

(Plaster Saver)



1/8" Flat Rib Lath is suitable for nailing on wood construction or for tying on metal furring. It is designed for both the modest cottage and the modern skyscraper.

**WEIGHTS**—2.75; 3.0; 3.4 lbs. per square yard.

**MATERIALS**—Open hearth steel, painted black; copper bearing steel, painted black; galvanized steel in the 3.4 lb. weight only.

**SHEET SIZE**—24x96 inches, packed 9 sheets (16 sq. yds.) per bundle.

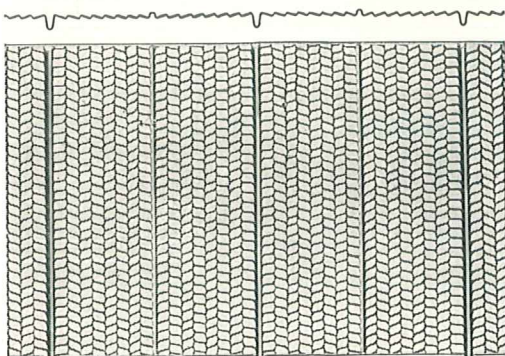
Here's a distinctive type of flat rib lath that provides many very real advantages for the Lather and Plasterer. It is exclusive in design. Its narrow "Z" ribs (1/8" high—1 1/2" on center) add exceptional rigidity and provides shelves which hold the wet plaster in place on both front and back. By the combination of these sturdy ribs and its "heringbone" type of mesh for additional rigidity, every step is made easy and without waste of plaster. Positive economy.

The Lather will like 1/8" Flat Rib Lath because it is smooth, rigid and true—its edges meet perfectly on laps—it goes up easily. Mechanically correct.

The Plasterer will like 1/8" Flat Rib Lath because it is smooth under the trowel—forms a perfect key—takes just enough plaster to make a most satisfactory job—does not waste plaster, no droppage—insures a thorough reinforcement.

Architects, Contractors and Owners will like 1/8" Flat Rib Lath too, because it eliminates lath streaks and unsightly cracks—insures a perfect surface for decoration and a highly satisfactory job for the life of the building.

## 3/8" Rib Metal Lath



An exceptionally rigid self-furring base and reinforcement for plastering and light concrete slab construction—floors, etc.

For plastering it is especially desirable for ceilings under the joist type of reinforced concrete floor or when supports are more than 16 inches on centers. Its use effects a substantial saving in furring channels and labor.

**WEIGHTS**—2.5; 3.0; 3.4; 4.0 lbs. per sq. yd.

**MATERIALS**—Open hearth steel, painted black; copper bearing steel, painted black; galvanized steel in the 3.4 lb. weight only. (Armco Ingot Iron, painted black on order in the 3.4 and 4.0 lb. weights only.)

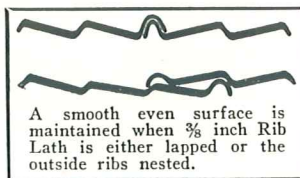
**SHEET SIZE**—24 x 96 in. packed 9 sheets (16 sq. yds.) per bundle.

The outstanding advantages of 3/8" Rib Lath are: 1. Unusual rigidity; 2. Easy to handle and erect; 3. Straight parallel sides and ends; 4. Outside ribs nest or lap; 5. Works well under trowel; 6. Holds concrete on floor construction.

### NOTE STRONG RIGID RIBS



3/8" Rib Lath is also widely used as a self-centering inconcrete fireproof floor construction. The sheets are rigid in both directions and present a surface which retains the concrete mix and gives a uniform floor slab.



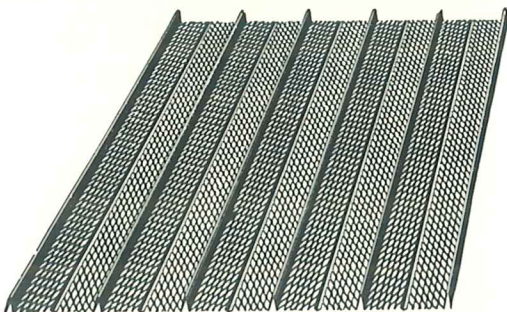
### DATA—3/8" RIB LATH

Weight per Sq. Yd. Pounds	Recommended Spacings		
	Walls	Ceilings	Floors
2.5	16"-20"	16"-19"	Average joist spacing is 16" to 28". Use 4 lb. lath for the wider spans. Use 3.4 lb., and under ideal conditions, 3 lb. lath for smaller spans.
3.0	19"-24"	18"-22"	
3.4	24"-30"	22"-28"	
4.0	32"-36"	24"-30"	



# --- --- [Barnes] --- ---

## $\frac{3}{4}$ " Rib Lath



Specifications for the use of  $\frac{3}{4}$ " Rib Lath and tables of safe loads will be furnished on request.

WEIGHTS—.50; .60; .75 lbs. per square foot.

MATERIALS—Open hearth steel, painted black and copper bearing steel, painted black.

SHEET SIZES—24 inches wide by 8, 10 and 12 foot lengths. Other lengths supplied by cutting down standard lengths. Waste will be charged for.

The exceptional stiffness of this heavyweight self-furring  $\frac{3}{4}$ " Rib Lath makes it a most effective centering and reinforcement for concrete roofs and floors, and for plaster partitions and ceilings on extremely wide spacing of supports. It can be used to great advantage, also, on many forms of special work such as column and beam protection, balconies, galleries, bath houses, tanks, fences and walls.

To the Architect, Engineer and Contractor,  $\frac{3}{4}$ " Rib Lath offers almost endless possibilities for replacing the older forms of centering and reinforcement for concrete, economically and with greater satisfaction. It permits the use of concrete in many forms of construction in which it has heretofore been considered impractical.

### *Concrete Roofs*

In flat, steep pitched or saw-tooth concrete roofs,  $\frac{3}{4}$ " Rib Lath removes the need of costly form work and extra reinforcement material. Two inches of concrete is usually ample.

### *Concrete Floors*

In using  $\frac{3}{4}$ " Rib Lath as a centering for concrete floors no supports are necessary except for long spans or extra thicknesses. The small size mesh prevents undue seepage.

## METAL LATH

From

# Barnes

## MAKES GOOD PLASTERING COST LESS

Stiff      Easy to Erect

Perfect Plastering Without Waste

Cut from Full Standard

Gauge Steel

*Use Barnes Products to Build Better Business*

**COSTS NO MORE**

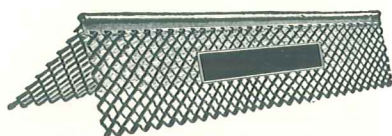
## Metal Corner Beads

The merit of Barnes Beads is self evident. Not only do they offer permanence and protection to plastered corners, but they form a straight rigid screed which means economy through its labor and time saving application.

Quality is reflected in the various Beads, by their straight perfect formation, brought about by skillfully designed machinery which also eliminates distortion and fracture to the galvanized coating.

Regardless of requirements, there is a Barnes Bead for the purpose.

All Beads furnished in 6, 7, 8, 9, 10 and 12 foot lengths.

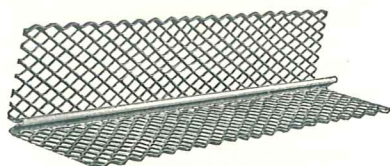


**No. 1 Expansion Outside**  
(No. 26 ga.)

Crated 230 lbs. per 1000 linear feet.

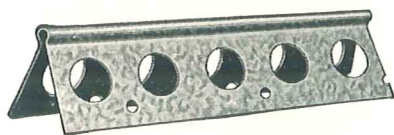
**No. 1½ Expansion Outside**  
(No. 24 ga.)

Crated 300 lbs. per 1000 linear feet.



**No. 2 Expansion Inside**  
(No. 26 ga.)

Crated 230 lbs. per 1000 linear feet.



**No. 3 Standard**  
(No. 26 ga.)

Crated 185 lbs. per 1000 linear feet.

Bdld. 163 lbs. per 1000 linear feet.

**No. 4 Standard**  
(No. 24 ga.)

Crated 210 lbs. per 1000 linear feet.

Bdld. 182 lbs. per 1000 linear feet.

An all purpose, labor and time saving Bead is found in the Expansion type.

It can be stapled, nailed, wired or stuck in place.

Its network of expanded metal prevents cracking of plaster by blows or other abuse.

No. 1 or No. 1½ for outer or exposed angles. No. 2 for inner angles.

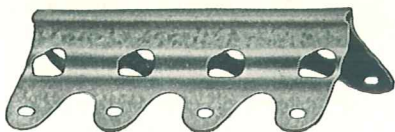
No. 1, 1½ and 2 measure approximately 2¾ inches from center of nose to edge of flange.

For ordinary stud partitions with wood lath, use Standard small nose, straight wing beads No. 3 or No. 4.

It is straight, rigid and accordingly meets the general requirements. Perforated flanges provide good plaster key.

No. 3 and 4 measure approximately 1¼ inches from center of nose to edge of flange.





**No. 5 Scalloped Flange Outside**  
(No. 26 ga.)

Crated 208 lbs per 1,000 linear feet

Bdld. 178 lbs per 1,000 linear feet

**No. 5½ Scalloped Flange Outside**  
(No. 24 ga.)

Crated 271 lbs per 1,000 linear feet

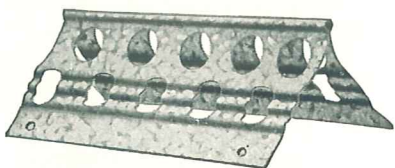
Bdld. 241 lbs per 1,000 linear feet



**No. 6 Scalloped Flange Inside**  
(No. 26 ga.)

Crated 208 lbs per 1,000 linear feet

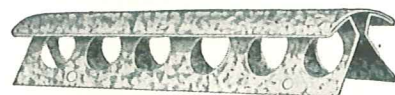
Bdld. 178 lbs per 1,000 linear feet



**No. 7 Wide Flange**  
(No. 26 ga.)

Crated 330 lbs per 1,000 linear feet

Bdld. 299 lbs per 1,000 linear feet



**No. 8 Bull Nose Straight Flange**  
(No. 26 ga.)

Crated 256 lbs per 1,000 linear feet

Bdld. 204 lbs per 1,000 linear feet

For partitions or furred corners built of Metal Lath, use No. 5 or No. 5½ as the wings are longer and the scalloped edges give maximum support.

Note the crimped flange which lends additional stiffness and better key.

No. 5 and 5½ measure approximately 1¾ inches from center of nose to edge of flange.

For the reinforcing of plaster on inside corners and to provide a screed edge for the plasterer to work to, use No. 6.

The wide scalloped edges provide an ideal nailing surface for irregular corners.

This Bead gives maximum support.

For all kinds of masonry walls, columns or beams (brick, tile or concrete) use No. 7 extra wide flange. This bead insures a plumb straight line regardless of irregularities common to masonry construction.

Properly placed perforations and crimped flange allow plaster to form a perfect reinforced corner as is required in public buildings, etc.

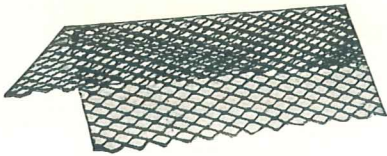
No. 7 measures approximately 2½ inches from center of nose to edge of flange.

For sanitary and heavy duty requirements of public buildings use No. 8. This 1 inch face curved to ¾ inch radius bull nose type has a straight perforated flange.

It is recommended for use on any corner where rounded bead is desired.

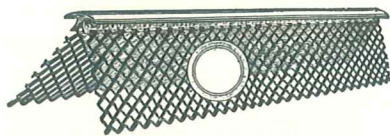
No. 8 measures approximately 1⅞ inch from center of nose to edge of flange.

# Barnes



**No. 9 Cornerite**  
—Not a Corner Bead

2" x 2" Wing x 8' Long.....Crated wt. 90 lbs per 1,000 linear feet  
 3" x 3" Wing x 8' Long.....Crated wt. 140 lbs per 1,000 linear feet  
 4" x 4" Wing x 8' Long.....Crated wt. 180 lbs per 1,000 linear feet

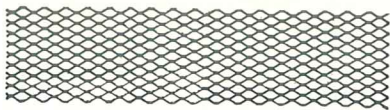


**No. 10 Bull Nose Expansion Flange**  
(No. 26 ga.)

Crated 375 lbs per 1,000 linear feet

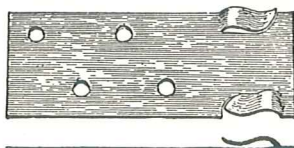
**No. 10½ Bull Nose Expansion Flange**  
(No. 24 ga.)

Crated 470 lbs per 1,000 linear feet



**No. 11 Striplath**

Size		Pieces per Crate	Feet per Crate	Weight per Crate
Width	Length			
3"	8'	63	504	30 lbs
4"	8'	50	400	36 lbs
6"	8'	50	400	56 lbs



SECTION

**No. 12 Bead Extension Clips**

Packed in boxes of 1,000 each  
 Shipping weight, 33 lbs per M.

For the prevention of unsightly corner cracks found in so many wood lathed buildings, use the inexpensive Cornerite.

It is a diamond mesh Metal Lath formed into a right angle with smooth selvage edges. It is indispensable in residence construction.

For similar purposes as the No. 8 Bull Nose Corner Bead, we likewise recommend No. 10 and 10½, which have the same 1" face curved to ¾" radius but furnished in the expansion flange type.

No. 10 and 10½ measure approximately 2¾ inches from center of nose to edge of flange.

Another inexpensive item for reinforcement of odd shaped corners, around window and door frames and general patch work, is No. 11 Striplath.

It is a diamond mesh lath strip made to save waste of large sheets.

Striplath has smooth, selvage edges.

Bead Clips are inexpensive. They slip in place readily and tighten rigidly.

All narrow flange beads can be easily extended where required by the use of the extension clip. A boon to the plasterer for quick erection on irregular corners where a wide flange is necessary.

NOTE: Flush Base Grounds, Concealed Picture Mould, or Curved Point Base Screed can also be furnished.



## Standard Bundling Table of Black Sheets

(Weights Without Bands)

GAUGE Weight per Sq. Ft., Lbs.	10 5.625			12 4.375			14 3.125			16 2.5			18 2.			20 1.50			21 1.375			
SIZE OF SHEET	Weight of Sheet	No. of Sheets	Weight of Bundle	Weight of Sheet	No. of Sheets	Weight of Bundle	Weight of Sheet	No. of Sheets	Weight of Bundle	Weight of Sheet	No. of Sheets	Weight of Bundle	Weight of Sheet	No. of Sheets	Weight of Bundle	Weight of Sheet	No. of Sheets	Weight of Bundle	Weight of Sheet	No. of Sheets	Weight of Bundle	Square Feet per Sheet
24x 72	67.5	2	135	62.5	3	157	37.5	4	150	30.0	5	150	24.	6	144	18.	8	144	16.5	9	148	12
26x 72	73.13	2	146	56.88	3	171	40.63	4	162	32.5	5	162	26.	6	156	19.5	8	156	17.88	8	148	13
28x 72	78.75	2	157	61.25	2	122	43.75	3	131	35.	4	140	28.	5	140	21.	7	147	19.25	8	154	14
30x 72	84.38	2	169	65.63	2	131	46.88	3	141	37.5	4	150	30.	5	150	22.5	7	157	20.63	7	144	15
36x 72	101.25	.	...	78.75	2	157	56.25	3	169	45.	3	135	36.	4	144	27.	5	135	24.75	6	148	18
24x 84	78.75	2	157	61.25	2	122	43.75	3	131	35.	4	140	28.	5	140	21.	7	147	19.25	8	154	14
26x 84	85.31	2	171	66.35	2	133	47.4	3	142	37.92	4	152	30.33	5	152	22.75	7	159	20.85	7	146	15.16
28x 84	91.88	2	184	71.46	2	143	51.04	3	153	40.83	4	163	32.67	5	163	24.5	6	147	22.46	7	157	16.33
30x 84	98.44	.	...	76.56	2	153	54.69	3	164	43.75	3	131	35.	4	140	26.25	6	157	24.06	6	144	17.50
36x 84	118.13	.	...	91.88	2	184	65.63	2	131	52.5	3	157	42.	4	168	31.5	5	157	28.88	5	144	21
24x 96	90.	2	180	70.	2	140	50.	3	150	40.	4	160	32.	5	160	24.	6	144	22.	7	154	16
26x 96	97.5	2	195	75.83	2	152	54.17	3	162	43.33	3	130	34.67	4	139	26.	6	156	23.83	6	143	17.33
28x 96	105.	.	...	81.67	2	163	58.33	3	175	46.67	3	140	37.33	4	149	28.	5	147	25.87	6	154	18.66
30x 96	112.5	.	...	87.5	2	175	62.5	2	125	50.	3	150	40.	4	160	30.	5	150	27.5	6	165	20
36x 96	135.	.	...	105.	.	...	75.	2	150	60.	2	120	48.	3	144	36.	4	144	33.	5	165	24
24x101	94.09	.	...	73.65	2	147	52.6	3	158	42.08	4	168	33.67	4	135	25.25	6	151	23.15	6	139	16.83
26x101	102.58	.	...	79.78	2	159	57.	3	171	45.59	3	137	36.47	4	146	27.35	5	137	25.08	6	150	18.23
28x101	110.47	.	...	85.92	2	172	61.37	2	123	49.09	3	147	39.28	4	157	29.46	5	147	27.01	6	162	19.64
30x101	118.36	.	...	92.06	2	184	65.76	2	131	52.6	3	158	42.08	4	168	31.56	5	158	28.94	5	145	21.04
36x101	142.03	.	...	110.47	.	...	78.91	2	158	63.13	2	126	50.5	3	151	37.88	4	151	34.72	4	139	25.25
24x108	101.25	.	...	78.75	2	157	56.25	3	169	45.	3	135	36.	4	144	27.	5	135	24.75	6	148	18
26x108	109.69	.	...	85.31	2	171	60.94	2	122	48.75	3	146	39.	4	156	29.5	5	146	26.81	6	161	19.5
28x108	118.13	.	...	91.88	2	184	65.63	2	131	52.5	3	157	42.	4	168	31.5	5	157	28.87	5	144	21
30x108	126.56	.	...	98.44	.	...	70.31	2	141	56.25	3	169	45.	3	135	33.75	4	135	30.94	5	155	22.5
36x108	151.88	.	...	118.13	.	...	84.38	2	169	67.5	2	135	54.	3	162	40.5	4	162	37.13	4	148	27
24x120	112.5	.	...	87.5	2	175	62.5	2	125	50.	3	150	40.	4	160	30.	5	150	27.5	5	137	20
26x120	121.88	.	...	94.79	2	198	67.71	2	135	54.17	3	162	43.33	3	130	32.5	5	162	29.79	5	149	21.66
28x120	131.25	.	...	102.08	.	...	72.92	2	146	58.33	3	175	46.67	3	140	35.	4	140	32.08	5	169	23.33
30x120	140.63	.	...	109.38	.	...	78.13	2	156	62.5	2	125	50.	3	150	37.5	4	150	34.37	4	137	25
36x120	168.75	.	...	131.25	.	...	93.75	2	187	75.	2	150	60.	2	120	45.	3	135	41.25	4	165	30

GAUGE Weight per Sq. Ft., Lbs.	22 1.25		24 1.		26 .75		27 .6875		28 .625		29 .5625		30 .5			
24x 72	15.	10	150	12.	12	144	9.	16	144	8.25	18	148	7.5	20	150	12
26x 72	16.25	9	146	13.	11	143	9.75	15	146	8.94	16	143	8.13	18	146	13
28x 72	17.5	8	140	14.	11	154	10.5	14	147	9.63	16	154	8.75	17	150	7
30x 72	18.75	8	150	15.	10	150	11.25	13	146	10.31	14	144	9.38	16	152	7.5
36x 72	22.5	7	157	18.	8	144	13.5	11	148	12.38	12	148	11.25	13	146	10
24x 84	17.5	8	140	14.	11	154	10.5	14	147	9.63	15	144	8.75	17	149	7
26x 84	18.96	8	152	15.16	10	152	11.38	13	148	10.43	14	146	9.48	16	152	8.57
28x 84	20.42	7	143	16.33	9	147	12.25	12	147	11.23	13	146	10.21	14	143	9.19
30x 84	21.88	7	153	17.5	8	140	13.13	11	144	12.03	12	144	10.94	14	153	8.75
36x 84	26.25	6	157	21.	7	147	15.75	9	142	14.44	10	144	13.13	11	144	11.81
24x 96	20.	7	140	16.	9	144	12.	12	144	11.	13	143	10.	15	150	9.
26x 96	21.67	7	152	17.33	9	156	13.	11	143	11.92	12	143	10.83	14	152	9.75
28x 96	23.33	6	140	18.67	8	149	14.	11	154	12.83	12	154	11.67	13	152	10.5
30x 96	25.	6	150	20.	7	140	15.	10	150	13.75	11	151	12.5	12	150	11.25
36x 96	30.	5	150	24.	6	144	18.	8	144	16.5	9	148	15.	10	150	13.5
24x101	21.04	7	147	16.83	9	151	12.63	12	151	11.57	12	139	10.52	14	147	9.47
26x101	22.79	7	159	18.24	8	146	13.68	11	150	12.54	12	150	11.4	13	148	10.26
28x101	24.55	6	147	19.64	8	157	14.73	10	147	13.5	11	148	12.27	12	147	11.05
30x101	26.3	6	158	21.04	7	147	15.78	9	142	14.47	10	145	13.15	11	145	11.84
36x101	31.56	5	158	25.25	6	151	18.94	8	151	17.36	9	156	15.78	9	142	14.2
24x108	22.5	7	157	18.	8	144	13.5	11	148	12.38	12	148	11.25	13	146	10.13
26x108	24.37	6	146	19.5	8	156	14.63	10	146	13.41	11	147	12.19	12	146	10.97
28x108	26.25	6	157	21.	7	147	15.75	9	142	14.44	10	144	13.13	11	144	11.81
30x108	28.12	5	141	22.5	7	157	16.88	9	152	15.47	10	155	14.06	11	155	12.66
36x108	33.75	5	169	27.	6	162	20.25	7	142	18.56	8	148	16.88	9	152	15.19
24x120	25.	6	150	20.	7	140	15.	10	150	13.75	11	151	12.5	12	150	11.25
26x120	27.08	6	162	21.67	7	152	16.25	9	146	14.9	10	149	13.54	11	149	12.19
28x120	29.17	5	146	23.33	6	140	17.5	8	140	16.04	9	144	14.58	10	146	13.13
30x120	31.25	5	156	25.	6	150	18.75	8	150	17.19	9	155	15.63	10	156	14.06
36x120	37.5	4	150	30.	5	150	22.5	7	157	20.63	8	165	18.75	8	150	16.88



# Standard Bundling Table of Galvanized Sheets

(Weights Without Bands)

GAUGE Weight per Sq. Ft., Lbs.	10 5.781		12 4.531		14 3.281		16 2.656		18 2.156		20 1.656		21 1.531		
SIZE OF SHEET	Weight of Sheet	No. of Sheets	Weight of Sheet	No. of Sheets	Weight of Sheet	No. of Sheets	Weight of Sheet	No. of Sheets	Weight of Sheet	No. of Sheets	Weight of Sheet	No. of Sheets	Weight of Sheet	No. of Sheets	Square Feet per Sheet
24x 72	69.37	2	139	54.37	3	163	39.37	4	157	31.87	5	159	25.87	6	12
26x 72	75.16	2	150	58.91	3	177	42.66	4	171	34.53	4	138	28.03	5	13
28x 72	80.94	2	162	63.44	3	187	45.94	3	138	37.19	4	149	30.19	5	14
30x 72	86.72	2	173	67.97	2	136	49.22	3	148	39.84	4	159	32.34	5	15
36x 72	104.06	2	208	81.56	2	163	59.06	3	177	47.81	3	143	38.81	4	18
24x 84	80.94	2	162	63.44	2	127	45.94	3	138	37.19	4	149	30.19	5	14
26x 84	87.04	2	175	68.69	2	137	49.74	3	149	40.27	4	161	32.69	5	15.16
28x 84	94.41	2	189	74.00	2	148	53.58	3	161	43.38	4	174	35.21	4	16.33
30x 84	101.17	2	202	79.30	2	159	57.42	3	172	46.48	3	139	37.73	4	17.50
36x 84	121.41	1	121	95.16	2	190	68.91	2	138	55.78	3	167	45.28	3	21
24x 96	92.50	2	185	72.50	2	145	52.50	3	157	42.50	4	170	34.50	4	16
26x 96	100.19	2	200	78.53	2	157	56.86	3	171	46.03	3	138	37.37	4	17.33
28x 96	107.88	2	216	84.55	2	169	61.23	3	184	49.57	3	149	40.24	4	18.66
30x 96	115.62	2	231	90.62	2	181	65.62	2	131	53.12	3	159	43.12	4	20
36x 96	138.75	1	139	108.75	1	109	78.75	2	157	63.75	2	127	51.75	3	24
24x120	115.62	2	231	90.62	2	181	65.62	2	131	53.12	3	159	43.12	3	20
26x120	125.22	1	125	98.15	2	196	71.07	2	142	57.53	3	173	46.70	3	21.66
28x120	134.88	1	135	105.71	2	211	76.55	2	153	61.97	3	186	50.31	3	23.33
30x120	141.53	1	145	113.28	1	113	82.03	2	164	66.41	2	133	53.91	3	25
36x120	173.44	1	173	135.94	1	136	98.44	2	197	79.69	2	159	64.69	2	30

GAUGE Weight per Sq. Ft., Lbs.	22 1.406		24 1.156		26 .9062		27 .8437		28 .7812		29 .7187		30 .6562		
SIZE OF SHEET	Weight of Sheet	No. of Sheets	Weight of Sheet	No. of Sheets	Weight of Sheet	No. of Sheets	Weight of Sheet	No. of Sheets	Weight of Sheet	No. of Sheets	Weight of Sheet	No. of Sheets	Weight of Sheet	No. of Sheets	Square Feet per Sheet
24x 72	16.87	9	152	13.87	11	153	10.87	14	152	10.12	15	152	9.37	16	12
26x 72	18.28	8	146	15.03	10	150	11.78	13	153	10.97	14	154	10.16	15	13
28x 72	19.69	8	158	16.19	9	146	12.69	12	152	11.81	13	154	10.94	14	14
30x 72	21.09	7	148	17.34	9	156	13.59	11	149	12.66	12	152	11.72	13	15
36x 72	25.31	6	152	20.81	7	146	16.31	9	147	15.19	10	152	14.06	11	18
24x 84	19.69	8	158	16.19	9	146	12.69	12	152	11.81	13	154	10.94	14	14
26x 84	21.32	7	149	17.53	8	140	13.74	11	151	12.79	12	153	11.84	13	15.16
28x 84	22.96	7	161	18.88	8	151	14.80	10	148	13.78	11	152	12.76	12	16.33
30x 84	24.61	6	148	20.23	7	142	15.86	10	159	14.77	10	148	13.67	11	17.50
36x 84	29.53	5	148	24.28	6	146	19.03	8	152	17.72	9	159	16.41	9	21
24x 96	22.50	7	157	18.50	8	148	14.50	10	145	13.50	11	148	12.50	12	16
26x 96	24.37	6	146	20.04	8	160	15.71	10	157	14.62	10	146	13.54	11	17.33
28x 96	26.24	6	157	21.58	7	151	16.91	9	152	15.74	10	157	14.58	10	18.66
30x 96	28.12	5	141	23.12	7	162	18.12	8	145	16.87	9	152	15.62	10	20
36x 96	33.75	5	169	27.75	6	166	21.75	7	152	20.25	8	162	18.75	8	24
24x120	28.12	5	141	23.12	7	162	18.12	8	145	16.87	9	152	15.62	10	20
26x120	30.46	5	152	25.04	6	150	19.63	8	157	18.28	8	146	16.92	9	21.66
28x120	32.81	5	164	26.98	6	162	21.14	7	148	19.68	8	157	18.23	8	23.33
30x120	35.16	4	141	28.91	5	145	22.66	7	159	21.09	7	148	19.53	8	25
36x120	42.19	4	169	34.69	5	173	27.19	6	163	25.31	6	152	23.44	7	30

The weight of Flat Galvanized Sheets is based on the weight of black sheets and two and one-half (2 1/2) ounces per square foot added for the increase caused by galvanizing.



# Barnes

## Table of Weights, Thicknesses and Gauges

### Sheet Zinc

Zinc Gauge			American or Browne & Sharpe		Stubs		United States Standard	
No.	Lbs. per Sq. Ft.	Thickness in Inches	No.	Approx. Thickness in Inches	No.	Approx. Thickness in Inches	No.	Approx. Thickness in Inches
3	.22	.006	34	.0063	35	.005	38	.0062
							37	.0068
							36	.0070
4	.30	.008	33	.0070	34	.007	35	.0078
			32	.0079	33	.008	34	.0086
			31	.0089			33	.0093
					32	.009	32	.0101
5	.37	.010	30	.0100	31	.010	31	.0109
			29	.0112	30	.012	30	.0125
			28	.0126	29	.013	29	.0140
6	.45	.012	27	.0141	28	.014	28	.0156
7	.52	.014	26	.0159	27	.016	27	.0171
8	.60	.016	25	.0179	26	.018	26	.0187
			24	.0201	25	.020	25	.0218
9	.67	.018	23	.0225	24	.022	24	.0250
10	.75	.020	22	.0253	23	.025	23	.0281
11	.90	.024	21	.0284	22	.028	22	.0312
12	1.05	.028	20	.0319	21	.032	21	.0343
13	1.20	.032	19	.0353	20	.035	20	.0375
14	1.35	.036	18	.0403			19	.0437
15	1.50	.040	17	.0452	19	.042	18	.0500
16	1.68	.045	16	.0508	18	.049	17	.0562
17	1.87	.050	15	.0570	17	.058	16	.0625
18	2.06	.055	14	.0640	16	.065	15	.0703
19	2.25	.060	13	.0719	15	.072	14	.0781
20	2.62	.070	12	.0808	14	.083	13	.0937
21	3.00	.080	11	.0907	13	.095	12	.1093
22	3.37	.090	10	.1018	12	.109	11	.1250
23	3.75	.100	9	.1144	11	.120	10	.1406
24	4.70	.125	8	.1284	10	.134	9	.1562
			7	.1442	9	.148	8	.1718
			6	.1620	8	.165	7	.1875
			5	.1819	7	.180	6	.2031
			4	.2043	6	.203	5	.2187
			3	.2294	5	.220	4	.2343
					4	.238	3	.2500
25	9.40	.250	2	.2576	3	.259	2	.2656
					2	.284	1	.2812
			1	.2893	1	.300	0	.3125
			0	.3249	0	.340	0	.3750
			000	.4096	000	.425	000	.5000
26	14.00	.375						
27	18.75	.500						
28	37.50	1.000						

### Sheet Copper

Thickness Inches	Eng. Stbs.	Amr. B-S	Lbs. Per Sq. Ft.	Ozs. Per Sq. Ft.
.300	1		13.80	221
.289		1	13.29	213
.284	2		13.06	209
.259	3		11.91	191
.258		2	11.87	190
1/4-				
.238	4		10.95	175
.229		3	10.53	168
.220	5		10.12	162
.204		4	9.38	150
.203	6		9.34	149
1-5-				
.182		5	8.37	134
.180	7		8.28	132
.165	8		7.60	121
1-6-				
.162		6	7.45	119
.148	9		6.81	109
.144		7	6.62	106
.134	10		6.16	99
.128		8	5.89	94
1-8-				
.120	11		5.52	88
.114		9	5.24	84
.109	12		5.01	80
.102		10	4.69	75
1-10-				
.095	13		4.37	70
.091		11	4.19	67
.083	14		3.82	61
1-12-				
.081		12	3.73	60
.072	15	13	3.31	53
.065	16		2.99	48
1-16-				
.064		14	2.95	47
.058	17		2.67	43
.057		15	2.62	42
.051	16		2.35	38
.049		17	2.25	36
.045	18		2.07	33
.044		19	2.00	32
.042		18	1.93	31
.040		19	1.84	29
.036		20	1.66	27
.035	20		1.61	26
.032	21	20	1.47	24
1-32-				
.028	22	21	1.29	21
.027			1.25	20
.025	23	22	1.15	18
.023		23	1.06	17
.022	24		1.00	16
.020	25	24	.92	15
.019			.875	14
.018	26	25	.83	13
.016	27	26	.74	12
1-64-				
.014	28	27	.64	10
.013	29	28	.60	9.5
.012	30		.55	9
.011		29	.51	8
.010	31		.46	7
.009	32	31	.41	7
.008	33	32	.37	6
.007	34	33	.32	5
.006		34	.28	4
.005	35	36	.23	4
.0045		37	.21	3
.004	36	38	.18	2.88
.0035		39	.16	2.56
.003		40	.14	2.24

**Remember:**

**The Barnes Super-Line**

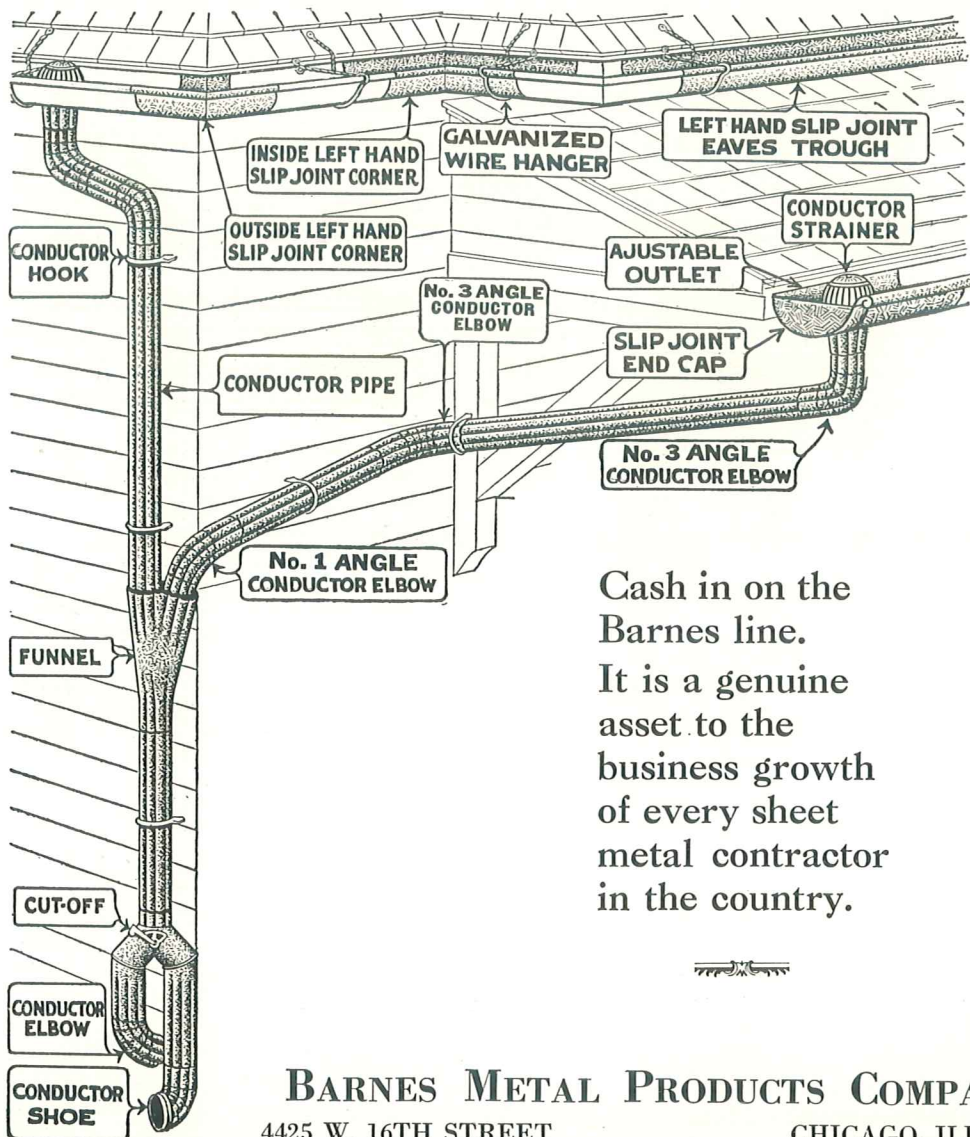
**Cost No More**

**Than the Ordinary Sheet Metal Products**

# **Barnes**

## **BARNES PRODUCTS Build Pretige and Profits for Sheet Metal Contractors**

*The Barnes Complete Line of Conductor Pipe,  
Eaves Trough and Fittings in All Sizes and  
Metals to withstand All Climates*



Cash in on the  
Barnes line.  
It is a genuine  
asset to the  
business growth  
of every sheet  
metal contractor  
in the country.

**BARNES METAL PRODUCTS COMPANY**  
4425 W. 16TH STREET CHICAGO, ILLINOIS

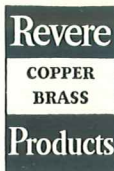


# { Barnes }

Each a Distinctive Mark of Quality and Service—But—Particularly so When  
Fabricated by the Process of



**Barnes**



# ZINC M & A



All Barnes Products may be had in the above Metals.  
"Specify your Preference"

# Barnes

## INDEX

	Pages
Adjustable Box and Roof Gutter Hangers (Bar) .....	37
Adjustable Eaves-Trough Hangers (Rod and Nut) .....	28
Adjustable Eaves-Trough Hangers (Shanks and Circles) .....	30-31-32
Adjustable Eaves-Trough Hangers (Strap) .....	28-29
Adjustable Eaves-Trough Hangers (Wire) .....	27
Baker Eaves-Trough Hangers .....	29
Bands, Conductor Pipe .....	19
Bar Hangers (Box and Roof Gutter) .....	37
Barn Batten .....	41
Baskets (Wire for Conductor Pipe) .....	12
Bead Clip .....	32
Bead, Metal Corner .....	52-53-54
Black Sheets, Weight and Bundling Table .....	55
Boots and Connections (Conductor Pipe) .....	40
Box Gutter .....	34-35-36-37
Box Gutter Bar Hangers .....	37
Box Gutter Ends and Outlets .....	35-38-39
Box Gutter End Caps .....	35-38-39
Box Gutter Mitres .....	35-38
Box Gutter Spikes and Ferrules .....	37
Brackets, Roof Gutter .....	34
Brick Bonds (Wall Ties) .....	41
Bronze, Cast, Conductor Pipe Hooks .....	14-15-16-17
Building Corners .....	41
Bundling Tables—Black Sheets .....	55
Bundling Tables—Galvanized Sheets .....	56
Cap, "V" Angle Ridge .....	42
Caps, End, (Box and Roof Gutter) .....	35-38-39
Caps, Slip End, (Eaves-Trough) .....	25-26
Cast Bronze Conductor Pipe Hooks .....	14-15-16-17
Cast Iron Connections and Boots (Conductor Pipe) .....	40
Centenial Cut-Offs .....	11
Circles and Shanks (Eaves-Trough) .....	30-31-32
Circle Straps (Eaves-Trough) .....	32
Clip, Bead (Eaves-Trough) .....	32
Conductor Pipe .....	4-5
Conductor Pipe Connections and Boots .....	40
Conductor Pipe Elbows .....	6-7-8-9
Conductor Pipe Fasteners .....	18
Conductor Pipe Heads .....	48
Conductor Pipe Hooks .....	13-14-15-16-17
Conductor Pipe Shoes .....	6-7-8-9
Conductor Pipe Straps .....	19
Conductor Pipe Wire Hangers (Perfection) .....	17
Connections and Boots (Conductor Pipe) .....	40
Connections, Slip (Eaves-Trough) .....	25-26
Continuous Hip Shingles .....	45
Continuous Hip Shingle Starters .....	45
Continuous Ornamental Ridging .....	45
Continuous Ornamental Ridging Starters .....	45
Copper, Fabricated (See Item Desired) (Like Conductor Pipe-Elbows, Etc.) .....	57
Copper, Table of Weights, Gauges, Etc. ....	52-53-54
Corner Bead, Metal .....	41
Corners, Building .....	41
Cut-Offs .....	10-11
Direct Drive Hooks (Conductor Pipe) .....	13
Downspout .....	4-5
Drip, Eaves .....	46



## INDEX—Continued

	Pages
Drops (Box and Roof Gutter) .....	35-38-39
Drops (Eaves-Trough) .....	25-26
Eaves Drip .....	46
Eaves-Trough .....	20-21-22
Eaves-Trough Hangers, Baker .....	29
Eaves-Trough Hangers, (Shanks and Circles) .....	30-31-32
Eaves-Trough Mitres .....	23-24
Eaves-Trough Riveted Strap Hangers .....	28
Eaves-Trough Rod and Nut Hangers .....	28
Eaves-Trough Slip Joint Connections .....	25-26
Eaves-Trough Wire Hangers .....	27
Eaves-Trough Wire Extension Hangers .....	27
Edging, Roof .....	46
Elbows, Conductor Pipe .....	6-7-8-9
Elbows, Polygon .....	40
Elbows, Portico .....	40
Elbows, Small Pipe .....	40
Ends and Outlets (Box and Roof Gutter) .....	35-38-39
Ends and Outlets (Eaves-Trough) .....	25-26
End Caps (Box and Roof Gutter) .....	35-38-39
End Caps (Eaves-Trough) .....	25-26
Extension Wire Hangers (Eaves-Trough) .....	27
Fasteners, Conductor Pipe .....	18
Ferrules and Spikes .....	37
Finials, Gable (Plain Ridge Roll) .....	44
Finials, Gable (Ridge and Hip Tile) .....	47
Finials, Globe (Plain Ridge Roll) .....	44
Finials, Hip (Ridge and Hip Tile) .....	47
Fire Proofing Materials .....	49-50-51-52-53-54
Fitrite Conductor Pipe Straps .....	19
Flashing Hooks .....	17
Flashing, Flat Shingles .....	43
Flashing, Roll .....	43
Flat Flashing Shingles .....	43
Formed Valley .....	42
Funnels .....	12
Gable Finials (Plain Ridge Roll) .....	44
Gable Finials (Ridge and Hip Tile) .....	47
Galvanized Sheets, Weight and Bundling Table .....	56
Globe Finials (Plain Ridge Roll) .....	44
Gutter, Box .....	34-35-36-37
Gutter, Box and Roof, Bar Hangers .....	37
Gutter, Ends and Outlets (Box and Roof Gutter) .....	35-38-39
Gutter, End Caps (Box and Roof Gutter) .....	35-38-39
Gutter, (Half Round) .....	20-21-22
Gutter, Mitres (Box and Roof Gutter) .....	35-38
Gutter, Roof .....	33-34
Gutter, Roof Brackets .....	34
Gutter, Spikes and Ferrules .....	37
Hangers, Baker (Eaves-Trough) .....	29
Hangers, Bar, (Box and Roof Gutter) .....	37
Hangers, Conductor Pipe (Perfection Wire) .....	17
Hangers, Riveted Strap (Eaves-Trough) .....	28
Hangers, Rod and Nut (Eaves-Trough) .....	28
Hangers, Shanks and Circles (Eaves-Trough) .....	30-31-32
Hangers, Wire, (Eaves-Trough) .....	27
Hangers, Wire, Extension (Eaves-Trough) .....	27
Heads, Conductor Pipe .....	48

# Barnes

## INDEX—Continued

	Pages
Hinged Conductor Pipe Hooks .....	16
Hip Shingles, Continuous .....	45
Hip Shingles, Continuous Starters .....	45
Hip Tile .....	47
Hip Tile Finials .....	47
Hip Tile Starters .....	47
Hooks, Conductor Pipe .....	13-14-15-16-17
Imperial Riveted Strap Hangers (Eaves-Trough) .....	28
Imperial Rod and Nut Hangers (Eaves-Trough) .....	28
Lap Eaves-Trough .....	20-21-22
Lath, Metal .....	49-50-51
Leader Pipe .....	4-5
Leader Pipe Heads .....	48
Leader Pipe Straps .....	19
Malleable Conductor Pipe Hooks .....	14-15-16-17
Metal Corner Bead .....	52-53-54
Metal Lath .....	49-50-51
Mitres (Box and Roof Gutter) .....	35-38
Mitres (Eaves-Trough) .....	23-24
Number 5 Globe Finials .....	44
Number 9 Gable Finials .....	45
Number 11 Hip Finials .....	45
Number 915 Gable Finials .....	44
Number 922 Ridge and Hip Tile .....	47
Number 922A Ridge and Hip Tile Starters .....	47
Number 923 Ridge and Hip Tile Hip Finials .....	47
Number 924 Ridge and Hip Tile Gable Finials .....	47
Outlets (Box and Roof Gutter) .....	35-38-39
Outlets (Eaves-Trough) .....	25-26
Ornamental Leader Straps .....	19
Ornamental Ridging (Continuous) .....	45
Ornamental Ridging (Continuous) Starters .....	45
Perfection Wire Conductor Pipe Hangers .....	17
Pipe, Conductor .....	4-5
Pipe Connections and Boots (Cast Iron) .....	40
Pipe Fasteners .....	18
Pipe Funnels .....	12
Pipe, Polygon .....	40
Pipe, Small .....	40
Pipe, Straps .....	19
Plain Ridge Roll .....	44
Plain Ridge Roll Gable Finials .....	44
Plain Ridge Roll Globe Finials .....	44
Portico Elbows .....	40
Rain Water Cut-Offs .....	10-11
Ridge Cap, ("V" Angle) .....	42
Ridge Roll Gable Finials .....	44
Ridge Roll Globe Finials .....	44
Ridge Roll, Plain .....	44
Ridge Tile .....	47
Ridge Tile Finials .....	47
Ridge Tile Starters .....	47
Ridging, Continuous Ornamental .....	45
Ridging, Continuous Ornamental, Starters .....	45
Riveted Strap Hangers (Eaves-Trough) .....	28
Rod and Nut Hangers (Eaves-Trough) .....	28
Roll Flashing .....	43

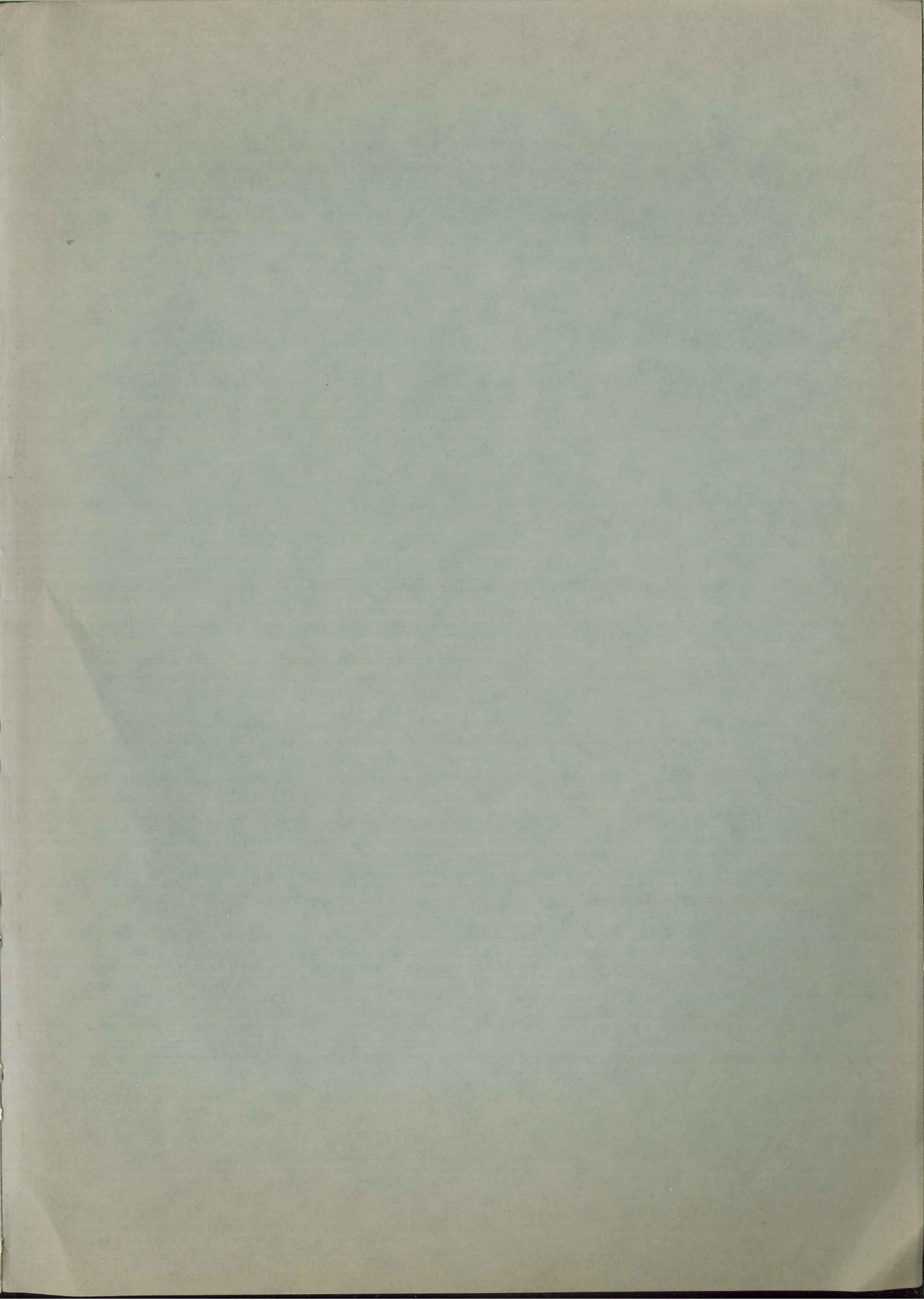


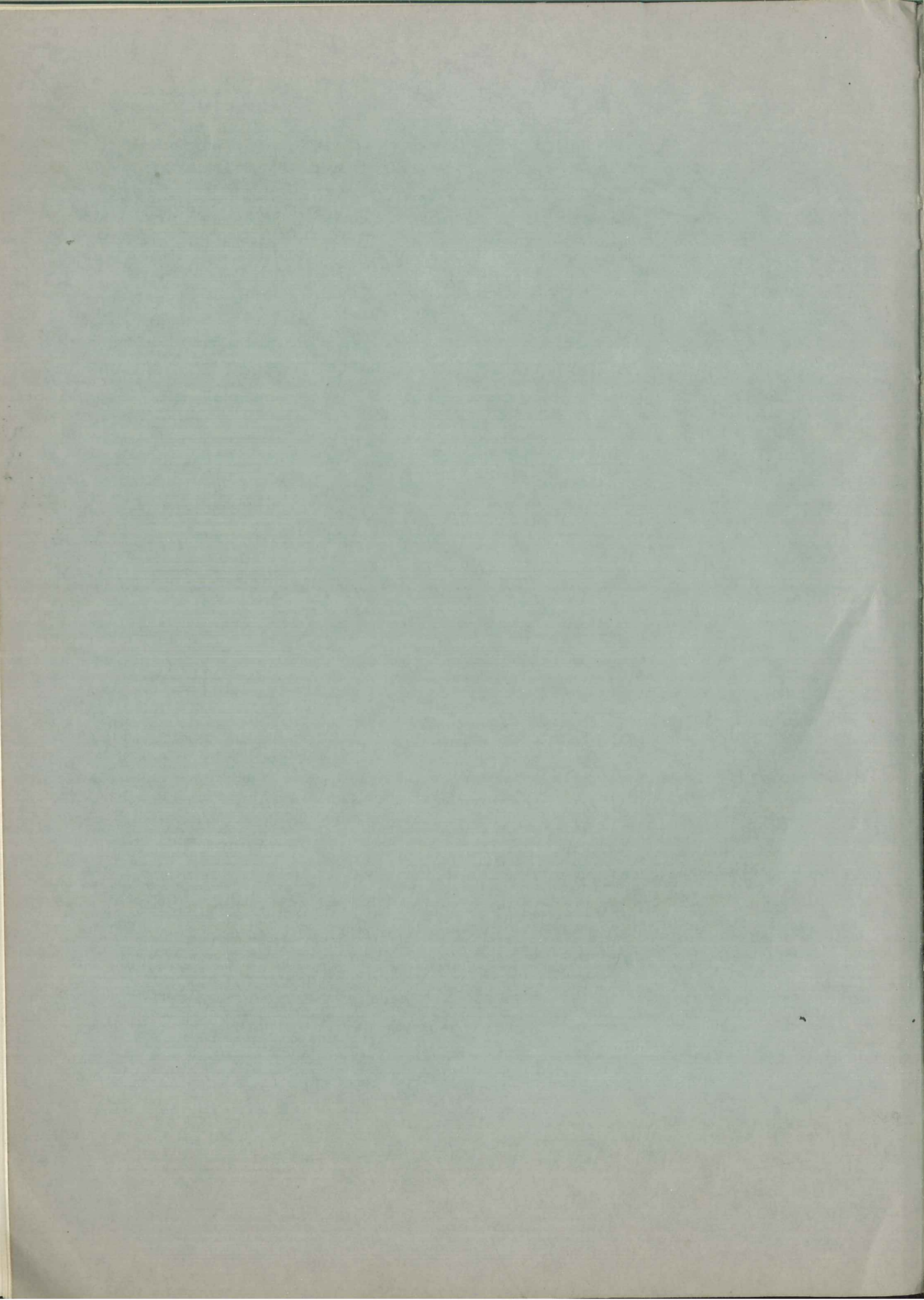
## INDEX—Continued

	Pages
Roll Valley .....	43
Roof Edging .....	46
Roof Gutter .....	33-34
Roof Gutter Brackets .....	34
Roof Gutter Ends and Outlets .....	35-38-39
Roof Gutter End Caps .....	35-38-39
Roof Gutter Mitres .....	35-38
Shanks and Circles (Eaves-Trough) .....	30-31-32
Sheets, Black, Weight and Bundling Table .....	55
Sheets, Copper, Weights, Etc. ....	57
Sheets, Galvanized, Weight and Bundling Table .....	56
Sheets, Zinc, Weights, Etc. ....	57
Shingles, Continuous Hip .....	45
Shingles, Flat Flashing .....	43
Shingles, Starters, (Continuous Hip) .....	45
Shoes, Conductor Pipe .....	6-7-8-9
Sickle Conductor Pipe Hooks .....	15
Slip Connections (Eaves-Trough) .....	25-26
Slip Eaves-Trough .....	20-21-22
Slip End Caps (Eaves-Trough) .....	25-26
Small Pipe .....	40
Small Pipe Elbows .....	40
Spikes and Ferrules .....	37
Starters, (Continuous Hip Shingle) .....	45
Starters, (Continuous Ornamental Ridging) .....	45
Starters, (Ridge and Hip Tile) .....	47
Strainers, Conductor Pipe .....	12
Straps, Riveted Hangers (Eaves-Trough) .....	28
Straps, Conductor Pipe .....	19
Tables, Weight and Bundling, (Black Sheets) .....	55
Tables, Weight and Bundling, (Galvanized Sheets) .....	56
Tables, Weight and Gauges, (Sheet Copper) .....	57
Tables, Weight and Gauges, (Sheet Zinc) .....	57
Ties, Wall .....	41
Tile, Finials, (Ridge and Hip) .....	47
Tile, Ridge and Hip .....	47
Tile, Starters (Ridge and Hip) .....	47
Triple Twist Wire Hangers .....	27
Trough, Eaves- .....	20-21-22
Tubing, Galvanized .....	40
"V" Angle Ridge Cap .....	42
Valley, Formed .....	42
Valley, Roll .....	43
Wall Ties .....	41
Weights—Black Sheets .....	55
Weights—Copper Sheets .....	57
Weights—Galvanized Sheets .....	56
Weights—Zinc Sheets .....	57
Wire Conductor Pipe Hangers (Perfection) .....	17
Wire Hangers (Eaves-Trough) .....	27
Wire Hangers, Extension (Eaves-Trough) .....	27
Wire Strainers (Conductor Pipe) .....	12
Wired Conductor Pipe Hooks .....	17
Wrought Iron Conductor Pipe Hooks .....	13
Young's Cut-Offs .....	11
Zinc, Fabricated, (See Item Desired Like Conductor Pipe, Elbows, Etc.) .....	
Zinc, Table of Weights, Gauges, Etc. ....	57













Full of Merit  
That is why  
**BARNES**  
DOMINATES